

IN THE TENNESSEE REGULATORY AUTHORITY  
NASHVILLE, TENNESSEE

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APPLICATION OF CHATTANOOGA )  
GAS COMPANY, A DIVISION OF )  
PIEDMONT NATURAL GAS )  
COMPANY, INC., FOR AN )  
ADJUSTMENT OF ITS RATES AND )  
CHARGES, THE APPROVAL OF )  
REVISED TARIFFS AND )  
APPROVAL OF REVISED SERVICE )  
REGULATIONS )

DOCKET NO. 04-00034

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**AFFIDAVIT**

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I, Steve Brown, for the Consumer Advocate and Protection Division of the Attorney General's Office, hereby certify that the attached Direct Testimony represents my opinion in the above-referenced case and the opinion of the Consumer Advocate and Protection Division.

  
STEVE BROWN  
Economist

Sworn to and subscribed before me  
this 19<sup>th</sup> day of July, 2004.

  
NOTARY PUBLIC

My commission expires. 9-22-07

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CAPD DIRECT TESTIMONY - COST-OF-CAPITAL  
DOCKET NO. 04-00034

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**I. Introduction**

Q\_1. Please state your name.

A\_1. Steve Brown.

Q\_2. Where do you work and what is your job title?

A\_2. I am an Economist in the Consumer Advocate and Protection Division, Office of the Attorney General.

Q\_3. What are your responsibilities as an Economist?

A\_3. I review companies' petitions for rate changes and follow the economic conditions that affect the companies.

Q\_4. What experience do you have regarding utilities?

A\_4. In 1995 I began work as an economist in the Consumer Advocate and Protection Division (CAPD) of the Attorney General's Office. I have also appeared as a witness for CAPD in several cases before the Tennessee Regulatory Authority (TRA). From 1986 to 1995 I was employed by the Iowa Utilities Board as Chief of the Bureau of Energy Efficiency, Auditing and Research,

and Utility Specialist and State Liaison Officer to the U.S. Nuclear Regulatory Commission. From 1984 to 1986 I worked for Houston Lighting & Power as Supervisor of Rate Design. From 1982 to 1984 I worked for Arizona Electric Power Cooperative as a Rate Analyst. From 1979 to 1982 I worked for Tri-State Generation and Transmission Association as Power Requirements Supervisor and Rate Specialist. Since 1979 my work spanned many issues including cost of service studies, rate design issues, telecommunications issues and matters related to the disposal of nuclear waste.

**Q\_5. What is your educational background?**

**A\_5.** I have an M.S. in Regulatory Economics from the University of Wyoming, an M.A. and Ph.D. in International Relations with a specialty in International Economics from the University of Denver, and a B.A. from Colorado State University.

**Q\_6. Dr. Brown, have you authored any articles relating to your profession?**

**A\_6.** Yes, my articles have appeared in Public Utilities Fortnightly.

**Q\_7. Are you and have you been a member of any professional organizations, Dr. Brown?**



1 A\_7. Yes, I am a past member of the NARUC Staff  
2 Committee on Management Analysis, a past  
3 trustee of and a member of the Board for  
4 the Automatic Meter Reading Association,  
5 and a current member of the National  
6 Association of Business Economists.

7  
8 Q\_8. Have you studied mathematics and  
9 statistics as part of your education?

10  
11 A\_8. Yes.

12  
13 Q\_9. Dr. Brown, do you use mathematics and  
14 statistics in combination with economics  
15 as part of your profession?

16  
17 A\_9. Yes.

18  
19 Q\_10. What were you asked to do with respect to  
20 this case?

21  
22 A\_10. I was asked to form opinions on: 1) the  
23 appropriate comparable companies which are  
24 the basis for setting prices that  
25 Chattanooga's ratepayers will bear as a  
26 result of this case; 2) the capital  
27 structure and the components of the  
28 capital structure used to determine prices  
29 for natural gas consumers in Chattanooga;  
30 3) the effect of AGL Resources' Holding  
31 Company, which is a registered holding  
32 company bound by the Federal Public  
33 Utility Holding Company Act (PUHCA), on  
34 the economic conditions presented in this

1 case by AGL's wholly-owned subsidiary  
2 Chattanooga Gas Company(CGC); 4) whether  
3 AGL Resources' Holding Company is in  
4 compliance PUHCA; 5) the cost-of-capital  
5 which includes determining the appropriate  
6 capital structure, the appropriate market-  
7 based common equity return, the cost of  
8 long-term-debt, the cost of short-term-  
9 debt; and 6) to assist in the evaluation  
10 of testimony offered by other witnesses in  
11 this docket.  
12  
13

## 14 ***II. Summary***

15  
16 Q\_11. Please provide a summary of your testimony.

17  
18 A\_11. My testimony is in two parts: public testimony  
19 and confidential testimony. The confidential  
20 testimony is filed separately. In my public  
21 testimony I give several opinions that I formed  
22 by comparing the financial information the  
23 company filed in this case with financial  
24 information available in the public records of  
25 the TRA, the United States Securities and  
26 Exchange Commission (SEC), and the Virginia  
27 State Corporation Commission (VSCC). The public  
28 records of the Georgia Public Service  
29 Commission (GPSC), which regulates AGL  
30 Resources in Georgia, do not have the same  
31 degree of internet access provided by the SEC  
32 and VSCC. Thus the GPSC's public records were  
33 not a source for my opinions.

1  
2 In late 2000 AGL Resources became a registered  
3 public utility holding company, and therefore  
4 became subject to the SEC's extensive filing  
5 requirements for companies subject the Public  
6 Utility Holding Company Act (PUHCA). The change  
7 in regulatory status was triggered when AGL  
8 Resources purchased Virginia Natural Gas (VNG),  
9 a natural gas distribution company in Virginia.  
10 At the same time CGC became a direct operating  
11 subsidiary of the parent holding company. This  
12 was a substantial change from the earlier  
13 corporate relationships where AGL Resources had  
14 been a holding company exempted from PUHCA  
15 regulation and where CGC operated as a  
16 subsidiary of Atlanta Gas Light. The change in  
17 corporate organization allowed CGC to take part  
18 in substantial business transactions with non-  
19 utility subsidiaries of the holding company.  
20

21 Because of the change in corporate  
22 organization, I examined the public records of  
23 the TRA, the SEC and the VSCC as a means to  
24 verify the information presented by CGC and AGL  
25 Resources in this rate case.  
26

27 The information in the public records of the  
28 SEC, VSCC and the TRA, as well as the SEC's  
29 rules, has led to the several opinions in my  
30 testimony.  
31  
32  
33

1 1. AGL Resources' financial reporting  
 2 procedures are inaccurate with respect to the  
 3 equity return of CGC. Thus, there is no good  
 4 reason to accept CGC's assertion that its  
 5 current and projected equity return is low  
 6 enough to justify a rate increase. The  
 7 inaccurate financial reporting of equity  
 8 returns is proven by AGL Resources filings with  
 9 the SEC, the VSCC and the TRA. From September  
 10 2002 to December 2003 CGC's equity return  
 11 declined by 2.48% and VNG's equity return  
 12 increased by 2.65%. This abrupt and large  
 13 reversal of equity returns prompted me to  
 14 examine AGL's public records in detail.

15  
 16 For the twelve-month period ending September  
 17 2002 CGC's actual return for on equity was  
 18 10.53% and VNG's actual equity return 8.73%. By  
 19 December 2003 CGC's actual equity return  
 20 declined to 8.05%, and AGL Resources  
 21 subsequently filed a rate case in Tennessee.  
 22 From September 2002 to May 2003 VNG's equity  
 23 return improved from 8.73% to 10.9%, but at the  
 24 same time VNG's cash flow declined by \$2  
 25 million. By December 2003 VNG's actual equity  
 26 return improved to 11.38%, but at the same time  
 27 there was no improvement in VNG's cash flow and  
 28 no change in VNG's capital structure. For cash  
 29 flow to decline by \$2 million while the equity  
 30 return improves by 2.65% is unlikely.

1 As a result of AGL Resources' procedures, CGC  
2 and VNG quickly traded places in the  
3 profitability ranking of AGL Resources'  
4 distribution subsidiaries. Also, where a low  
5 return in Tennessee caused AGL resources to  
6 file a rate case, a low equity return did not  
7 cause a rate-case filing in Virginia. Other  
8 specific details supporting my opinion, that  
9 AGL's financial procedures are inaccurate with  
10 respect to the actual profitability of its  
11 regulated subsidiaries CGC and VNG, are  
12 provided in Section V, page 29 of my testimony.  
13

14 2. In 2003 AGL Resources engaged in a purely  
15 discretionary activity through its subsidiary,  
16 Sequent, to manage CGC's "idle" assets where  
17 such discretionary activity occurred in  
18 Tennessee under the provisions of a tariff  
19 known as the Interruptible Margin Credit Rider  
20 (IMCR). In 2003 the IMCR tariff allowed  
21 profits from the "idle" capacity transactions  
22 to be split equally between Sequent and CGC.  
23 According to public documents filed by AGL  
24 Resources with the TRA on February 27, 2004,  
25 Sequent and CGC shared profits of approximately  
26 \$2.4 million, thus Sequent received a  
27 management fee of approximately \$1.2 million  
28 for putting CGC's "idle" assets to work in  
29 2003.

1 Transactions between Sequent and all of its gas  
2 distribution subsidiaries appear in the SEC's  
3 U-9C-3, a public record which summarizes  
4 transactions between a holding company's  
5 subsidiaries and which is filed quarterly with  
6 the SEC by AGL Resources. According to the U-  
7 9C-3, Sequent manages the idle assets of each  
8 gas distribution subsidiary. Sequent's fee in  
9 2003 for managing CGC's idle assets was not  
10 limited to \$1.2 million. Additional amounts of  
11 "direct costs" were charged to CGC by Sequent  
12 for Sequent's management of CGC's "idle"  
13 assets. The amounts were redacted from the  
14 SEC's public records but are revealed in my  
15 confidential testimony.

16  
17 The presence of additional "direct costs" in  
18 the SEC's public records puts the IMCR tariff  
19 and Sequent's idle-asset-management in a new  
20 light. If those redacted amounts exceed \$1.2  
21 million (CGC's share of the profits from  
22 Sequent's management of CGC's "idle" capacity)  
23 then the IMCR tariff has created a net loss for  
24 CGC, lowering its income and equity return. If  
25 there is such a loss, then AGL Resources'  
26 discretionary activity (carried out through  
27 Sequent and the IMCR tariff) is contributing to  
28 AGL Resources' perceived need to increase CGC's  
29 rates. If Sequent's transactions have imposed  
30 economic loss on CGC and thus created a  
31 financial need for a rate increase to CGC's  
32 consumers, then AGL Resources is not complying  
33 with PUHCA. Details supporting my opinion are  
34 in Section VI, page 55 of my testimony.

1           3. The usual way for the holding company to  
2           transfer profit from the subsidiary is by the  
3           subsidiary paying dividends to the parent.  
4           However, the SEC's records show that the  
5           holding company is transferring profit from the  
6           subsidiary by retaining operating expense  
7           credits at the parent rather than distributing  
8           them to the subsidiary, thus preventing the  
9           subsidiary's operating expenses from declining  
10          and consequently making CGC's equity return  
11          lower than it would be otherwise.

12  
13          SEC form U-13-60 is a record of the billings  
14          between the parent and the subsidiary. I  
15          examined AGL's U-13-60 for years 2002 and 2003  
16          and discovered that the parent company had a  
17          negative cost or credit of approximately \$8.2  
18          million in the parent company's indirect cost  
19          category in 2003. The total costs billed to the  
20          subsidiaries barely changed from 2002 to 2003.  
21          The U-13-60 shows that AGL Services Company's  
22          total billing to CGC for 2003 was \$6.391  
23          million and for 2002 the amount was \$6.068  
24          million. These figures match the annual shared  
25          services operating expenses in CGC's TRA form  
26          303 for 2002 and 2003, therefore, CGC did not  
27          share in the \$8.2 million credited to the  
28          parent. In my opinion there is no good reason  
29          to accept CGC's assertion that its current and  
30          projected equity return is confiscatory while  
31          at the same time the parent company retains  
32          \$8.2 million of operating expense credits that  
33          should be distributed to the subsidiaries.

The U-13-60 tables are shown below and discussed in Section VI of my testimony.

AGL Resources SEC Form U-13-60 Filed May 2003					AGL Resources SEC Form U-13-60 Filed May 4 2004				
For the Year Ended December 31 2002					For the Year Ended December 31 2003				
ANALYSIS OF BILLING					ANALYSIS OF BILLING				
ASSOCIATE COMPANIES					ASSOCIATE COMPANIES				
ACCOUNT 457					ACCOUNT 457				
NAME OF ASSOCIATE COMPANY	DIRECT COSTS 457-1	INDIRECT COSTS 457-2	COMPENSATION FOR 457-3	TOTAL AMOUNT /1	NAME OF ASSOCIATE COMPANY	DIRECT COSTS 457-1	INDIRECT COSTS 457-2	COMPENSATION FOR 457-3	TOTAL AMOUNT /1
AGL Resources Inc	860 069	336 380	0	1 196 449	AGL Resources Inc	4 657 610	-8,136,765	-	-3 479 155
Atlanta Gas Light Company	85 727 080	39 437 252	1 490 702	106 655 034	Atlanta Gas Light Company	50 430 737	54 241 138	1 352 780	106 024,656
Chattanooga Gas Company	3 520 968	2 459 340	88 300	6 068 608	Chattanooga Gas Company	3 402 886	2 918 541	71 899	6 391 326
Virginia Natural Gas, Inc	8 722 911	9 365 947	362 157	18 451 015	Virginia Natural Gas, Inc	4 450,523	13 050 512	299 055	17 800 090
Sequent Energy Management, LP- Corp	1 060 243	1 031 212	53 535	2 144 991	Sequent Energy Management LP- Corp	3 109 861	2 097 161	103 959	5 310 981
AGL Capital Corporation	35 189	20 213	1 675	57 078	AGL Capital Corporation	93 683	20 462	1,930	116 075
AGL Capital Trust	22 630	112 125	11 268	146 024	AGL Capital Trust	20 218	91 814	8 561	120 593
AGL Capital Trust II	-	207 070	22 167	229 237	AGL Capital Trust II	1 400	167 776	16 971	185 146
AGL Energy Corporation	18 002	1 476	15	19 493	AGL Energy Corporation	14 070	250	19	14 338
AGL Investments, Inc	692 346	49 368	1 432	743 144	AGL Investments, Inc	107 889	35 404	1 680	144 973
AGL Networks LLC	870 371	353 340	13 943	1 237 655	AGL Networks, LLC	1 824 567	574 802	24 229	2 423 598
AGL Peaking Services Inc	952	5 628	583	7 164	AGL Peaking Services Inc	34	4 487	418	4 940
AGL Propane Services, Inc	77,149	63 729	4 724	145 602	AGL Propane Services Inc	292 680	44 375	3 532	340 587
AGL Rome Holdings Inc	547	1 596	151	2 294	AGL Rome Holdings, Inc	9	1 205	109	1 324
Customer Care Services Company	5 085	5 488	456	11 029	Customer Care Services Company	1 348	7 801	709	9 857
Georgia Natural Gas Company	199 539	91 081	8 544	299 164	Georgia Natural Gas Company	354 444	80 471	7 987	442 902
Global Energy Resources Insurance Corporation	-	1 289	141	1 410	Global Energy Resources Insurance Corporation	298	452	44	794
Southeastern LNG, Inc	53 016	3 015	321	56 351	Southeastern LNG, Inc	42 937	3 422	357	46 717
Trustees Investment Inc	48 128	27 484	1 319	76 928	Trustees Investment Inc	26 151	26 395	1 061	
Others- Not Shown					Others- Not Shown				
TOTAL	79,933 782	53,574 111	2,061,518	135,569,391	TOTAL	68 835,848	65,227,703	1,895,300	135,958 851

4. AGL Resources and CGC substantially overstate the total cost of debt in this rate case. The company proposes a total debt cost of 6.65%, where "total debt" represents all forms of debt in this rate case - short-term debt, long-term debt, and preferred stock. AGL Resources actual total cost of debt was just 6.09% in 2002. AGL Resources expected its total cost of debt to be just 6% by the end of 2003 and just 5.5% by the end of 2004. Supporting details on the cost of short-term debt and preferred stock are provided in Sections VII and VIII of my testimony.



1 5. AGL Resources and CGC substantially  
2 understate the company's expected reliance on  
3 short-term debt. On January 26 the company  
4 filed a proposed capital structure with a  
5 short-term debt ratio of 4.3%. In contrast, AGL  
6 Resources has capitalized its operating  
7 subsidiary in Virginia with an 18% short-term  
8 ratio in two different financing cases before  
9 the VSCC. To the extent that short-term debt is  
10 the least costly form of debt in the capital  
11 structure, CGC's proposed 4.3% short-term ratio  
12 would substantially raise prices for CGC's  
13 ratepayers. In March 2004, the parent company  
14 petitioned the SEC to approve CGC's issuance of  
15 \$250 million in short-term debt via another  
16 subsidiary with the holding company. The  
17 petition confirms that CGC's reliance on short-  
18 term debt will be much higher than the 4.3%  
19 ratio the company filed in this case. Section  
20 IV, page 19 of my testimony provides details.  
21

22 6. Section VIII of my testimony shows that AGL  
23 Resources singles out CGC to bear the burden of  
24 very-high cost preferred stock, despite AGL  
25 Resources choosing not to allocate preferred  
26 stock to VNG even though AGL Resources has been  
27 through two different financing cases in  
28 Virginia. When one subsidiary's rates  
29 incorporate preferred stock while the other's  
30 does not, the parent is shifting costs between  
31 its subsidiaries through its rate-case by  
32 selectively choosing the subsidiary to bear the  
33 cost.

1           7. In my opinion the understatement of CGC's  
2           expected reliance on short-term debt and the  
3           arbitrary assignment of preferred stock to CGC  
4           but not VNG, prove that CGC's proposed capital  
5           structure is arbitrary. My opinion is further  
6           supported by the capital structure of the  
7           comparable companies. Taken as a whole over  
8           three reporting years of 2001, 2002, and 2003,  
9           the comparable companies have a capital  
10          structure of 12.9% short-term debt, 42.5%  
11          common equity, and 44.6% long-term debt. In  
12          addition, my capital structure is similar to  
13          AGL Resources actual capital structure, while  
14          CGC's proposed capital structure is quite  
15          different than its parent's. Capital structure  
16          is discussed in my testimony at Section IV.

17  
18          8. My equity ratio is derived by including  
19          short-term debt in the calculation of the  
20          equity ratio. In its rate-case petition the  
21          company calculates equity ratios by excluding  
22          short-term debt from the calculation, but this  
23          contradicts of the company's position in its  
24          SEC filing of March 2004, which I have already  
25          described. In that filing AGL Resources agrees  
26          to use short-term debt in the calculation of  
27          the equity ratio.

1 9. My capital structure's source is the United  
2 States' Securities and Exchange Commission's  
3 database, commonly known as "Edgar," which is  
4 publicly available over the Internet. More  
5 specifically, the capital structure is taken  
6 from each comparable company's SEC form 10-K  
7 for each comparable company's most recent  
8 fiscal year. Each form 10-K has the benefit of  
9 being audited. I use the SEC's data as a means  
10 of building in accountability and objectivity  
11 into the capital structure.  
12

13 In contrast, the company's capital structure is  
14 derived from a publication named Value Line,  
15 which disclaims responsibility: "THE PUBLISHER  
16 IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS  
17 HEREIN [Value Line's emphasis]."  
18

19 10. It is my opinion that the company's capital  
20 structure is 42.5% equity, 12.9% short-term  
21 debt, 44.6% long-term debt, and 0.0% preferred  
22 stock. In my opinion the cost of equity is  
23 8.35%; the cost of short-term debt is 1.26%;  
24 the cost of long-term debt is 6.74%. The  
25 company's overall cost of capital is 6.72%,  
26 well below the overall return of 8.84% proposed  
27 by the company. My equity cost of 8.35% is well  
28 below the equity cost of 11.25% proposed by the  
29 company. My overall cost of debt, including  
30 short and long-term, is 5.51%, well below the  
31 company's proposed total debt cost of 6.65%.  
32  
33

11. As part of its rate case, the company suggests that it needs a rate increase because there has been no increase since 1995. This argument has no economic merit because a utility's economic viability is not measured by its prices but by its rate of return. That CGC has waited until 2004 to request a rate increase means that CGC believes it earned a satisfactory return for several years. The absence of a rate increase since 1995 does not mean that consumers have paid less than fair prices for CGC's services or that consumers have somehow underpaid for the benefit they receive from CGC's gas service. Paragraphs 5 and 6 of CGC's rate case petition show the company's reliance on the rate of return as the justification for a rate increase.

5. As shown on Exhibit MJM-1 to this Petition, using current rates during the attrition period (the 12 months ending June 30, 2005), Chattanooga Gas is projected to earn net operating income of \$5,687,380 on a rate base of \$95,564,212, which results in an overall rate of return of 5.95%. Such a return is not fair and reasonable and is confiscatory. Without rate relief, Chattanooga Gas will incur a deficiency during the attrition period of approximately \$4.6 million.

6. Chattanooga Gas proposes rates that will allow it a reasonable opportunity to alleviate the projected deficit of approximately \$4.6 million and to achieve an overall rate of return of 8.84% and a return on equity of 11.25%.

**III. Comparable Companies**

Q\_12. What purpose do "comparable companies" serve in the regulatory setting of prices?

A\_12. The "comparable companies" principle is a long-standing regulatory tool which has the effect of establishing utility equity costs and ultimately the prices borne by consumers. The principle entails the selection of natural gas companies to stand in as substitutes for CGC or its parent, AGL Resources, so that prices are based the economic behavior of comparable companies.

Q\_13. What comparable companies has CGC's cost-of-capital witness, Dr. Morin, chosen to use in this case?

A\_13. Dr. Morin has not explicitly identified comparable companies.

For example, in his exhibit RAM-2 he lists 15 natural gas companies, 33 gas-electric combination companies and 66 electric power companies. The list of 15 natural gas companies is repeated in Dr. Morin's exhibit RAM-9.

Q\_14. In your opinion, which companies form the basis of his recommended rate of return in this case?

A\_14. In my opinion the 15 natural gas companies are the basis of his recommended rate of return. I have that opinion because in his testimony at page 4 lines 15-16, Dr. Morin testifies, "My recommended rate of return is also predicated on a capital structure consisting of 49%." Dr. Morin provides capital structures for the 15 natural gas companies appearing in his exhibit RAM-9, but he provides no capital structure for the 99 other companies. Thus they are not a basis for his return.

In my opinion none of electric companies and none of the combination companies are comparable to either CGC or AGL Resources. However, any dispute over their comparability has already been resolved by Dr. Morin. He predicates his return on a capital structure derived from the 15 natural gas companies, but at the same time he does not provide capital structures for the companies listed in his "Exhibit RAM-2," pages 2 and 3. Therefore, it is clear that Dr. Morin has in effect identified the 15 natural gas companies listed in exhibits RAM-9 and RAM-2 page 1 as the comparable companies.

1 Q\_15. Of the 15 natural gas companies in Dr. Morin's  
2 exhibit RAM-9, which do you accept as a basis  
3 for setting rates in this case?  
4

5 A\_15. Of the 15 companies, I accept 10 as the basis  
6 to establish rates. I exclude AGL Resources  
7 because it is a 100 percent owner of CGC.  
8 Because AGL Resources controls CGC, it is  
9 reasonable to remove AGL Resources from the  
10 group of comparable companies so the group's  
11 capital structure is independent of AGL's. I  
12 exclude Amerigas because it sells only propane  
13 gas, and I do not know of any state utility  
14 agency in the United States which regulates the  
15 sales price of propane to individual  
16 purchasers. In addition, on November 7, 2003  
17 AGL Resources announced that its AGL Propane  
18 Services subsidiary was selling its interests  
19 in Heritage Propane Partners, L.P. Thus AGL  
20 Resources is not in the propane business. I  
21 also exclude Amerigas because it is 100% owned  
22 by UGI.

23  
24 I exclude UGI because it is an international  
25 energy conglomerate. According to its  
26 Securities and Exchange Form 10-K filed on  
27 December 23, 2003, the company derives only 17%  
28 of its revenues from gas sales in the United  
29 States, a contrast with CGC and AGL Resources,  
30 which get over 90% of their revenues from  
31 natural gas sales. In addition, of UGI's \$2  
32 billion of assets, over 53% is tied up in  
33 Amerigas, which sells propane.  
34

1 I exclude Energen because it has not been  
 2 through a rate case since 1982. In his  
 3 testimony at page 54 lines 9-10, Dr. Morin  
 4 opines that the "principle objective of  
 5 regulation is to act as a substitute for the  
 6 market place and emulate the returns for  
 7 industries in the competitive market." However,  
 8 the usual way to reach that objective is  
 9 through contested rate cases with expert  
 10 witness testimony and cross-examination.  
 11 Energen has not been through that process for  
 12 22 years. According to Energen's SEC Form 10-K  
 13 filed December 12 1995:

14  
 15 *"As a public utility in the state of Alabama, Alagasco is*  
 16 *subject to regulation by the Alabama Public Service*  
 17 *Commission (APSC), which has adopted several*  
 18 *innovative approaches to rate regulation, including*  
 19 *Alagasco's Rate Stabilization and Equalization (RSE)*  
 20 *rate-setting process. Implemented in 1983 and modified*  
 21 *in 1985, 1987, and 1990, RSE replaced the traditional*  
 22 *utility rate case . . . Under Alagasco's current RSE order,*  
 23 *which became effective December 1990, Alagasco's*  
 24 *allowed ROE range is 13 15 percent to 13 65 percent "*

25  
 26 That particular regime continues to this day,  
 27 according to Energen's 10-K filed in December  
 28 2003:

29  
 30 *"On June 10, 2002, the APSC extended RSE for a six-*  
 31 *year period, through January 1, 2008. Under the APSC*  
 32 *order, Alagasco's allowed range of return on average*  
 33 *equity remains 13.15 percent to 13.65 percent throughout*  
 34 *the term of the order "*



I also exclude Southern Union because it is a pipeline company. In 2003 Southern Union bought the bankrupt Panhandle Eastern pipeline system and over 50% of Southern Union's assets are tied up in the pipeline. This is a contrast with CGC and AGL Resources, both of whom have their assets tied up primarily in distribution systems. Schedule 1 pages 1 to 4 display the information on Amerigas, UGI, Energen and Southern Union.

#### **IV. Capital Structure**

**Q\_16. What capital structure does Dr. Morin employ to achieve his results?**

**A\_16. Dr. Morin testifies at page 52 lines 10-12 to "a capital structure consisting of 49% common equity and 51% debt." However, these figures do not represent the entire capital structure.**

For example, Mr. Morley, in his testimony at page 18 lines 1-2 and in his Schedule 2 represents Dr. Morin's capital structure as being 95.7% of CGC's total capital structure.

**Q\_17. In your opinion why did Mr. Morley derive a short-term debt ratio for CGC?**

1   A\_17.       In my opinion Mr. Morley derived a short-term  
2               debt ratio because Dr. Morin's common equity  
3               ratio of 49% in his exhibit RAM-9 does not  
4               include the effect of short-term debt.

5

6

7   Q\_18.       What has Dr. Morin testified to regarding  
8               short-term debt?

9

10   A\_18.      Dr. Morin testifies at page 21 lines 4-7:

11

12               *"Long-term rates are the relevant benchmarks when*  
13               *determining the cost of common rather than short-*  
14               *term rates. Short-term rates are volatile [and] fluctuate*  
15               *wildly "*

16

17   Q\_19.       Do you agree with Dr. Morin's assessment of  
18               short-term rates being volatile?

19

20   A\_19.       No, I disagree. If short-term rates are  
21               sufficiently lower than long-term rates, short-  
22               term debt can be useful. As CGC's and AGL  
23               Resources' own behavior suggest, they are  
24               willing to rely heavily on short-term debt. My  
25               Schedule 2, pages 1 to 3, displays portions of  
26               an SEC release relevant to this case.

27

1 For example, according to the SEC's Release No.  
2 35-27812 of March 10, 2004 AGL Resources on  
3 behalf of its distribution subsidiaries,  
4 Atlanta Gas Light Company and CGC, petitioned  
5 the SEC to allow each subsidiary to  
6 respectively issue short-term debt of \$750  
7 million for Atlanta Gas Light and \$250 million  
8 for CGC.

9  
10 Q\_20. Does the SEC release indicate if the  
11 subsidiary's equity ratio is to be calculated  
12 by including short-term debt in the capital  
13 structure?

14  
15 A\_20. Yes. In the release at page 13 footnote 3 says:

16  
17 *"Applicants would calculate the Common Stock Equity*  
18 *Ratio to total capitalization ratio as follows: common*  
19 *stock equity [/] (common stock equity + preferred stock*  
20 *+ gross debt). Gross debt is the sum of long-term debt,*  
21 *short-term debt and current maturities "*

22  
23 Q\_21. Did AGL Resources, CGC or Dr. Morin apply the  
24 SEC's method to the calculation of the equity  
25 ratio testified to by Dr. Morin?

26  
27 A\_21. No, they did not apply the SEC's method.

28  
29  
30 Q\_22. In your opinion is the SEC's method reasonable?

31  
32 A\_22. Yes. In my opinion the SEC's method is  
33 reasonable.

1 Any capital structure's equity ratio should be  
2 calculated using all forms of debt that  
3 comprise total indebtedness. If a certain class  
4 of debt were left out of the capital structure,  
5 the prices set through a regulatory proceeding  
6 will be higher than they need to be, and the  
7 market would not be fully informed about a  
8 company's financial condition. It is standard  
9 procedure for equity ratios to be calculated on  
10 the basis of total debt. Otherwise the capital  
11 structure is misleading.

12  
13 For example, if a capital structure is based on  
14 just part of the debt and all of the equity,  
15 the capital structure will be inaccurate. In  
16 this case the equity ratio would be higher than  
17 it really is, giving a company a financial  
18 appearance of needing more of a price increase  
19 than otherwise.

20  
21 **Q\_23.** How do you know that AGL Resources, CGC or Dr.  
22 **Morin did not apply the SEC's method to the**  
23 **calculation of the equity ratio testified to by**  
24 **Dr. Morin?**

25  
26 **A\_23.** I know they did not apply the method because I  
27 applied the method to AGL Resources and the 10  
28 comparable companies. My results, shown in my  
29 Schedule 3 pages 1 to 11 show different capital  
30 structures than those employed by Dr. Morin.

31  
32 For example, Dr. Morin shows NICOR having an  
33 equity ratio of 65% but that figure declines to  
34 48.5% when short-term debt is included.

A summary appears in my Schedule 4. As a group, the 10 comparable companies are summarized into a single capital structure for the years 2001, 2002 and 2003. The summary shows consistent results from year-to-year for the group taken as a whole. The equity ratio for each year is approximately 42.5% and there is almost no variation in that ratio. Short-term varies from a minimum of 10.6% to a maximum of 15.6% with an average of 12.9%.

**Q\_24. How do these results compare to AGL Resources' current equity and short-term debt ratios now and in the near future?**

**A\_24. These results are a good match to AGL's ratios.**

For example, my Schedule 5 page 1 displays AGL Resources capital structure as of December 31, 2003 as provided in its most recent SEC Form 10-K. My Schedule 5 contains a copy of a slide AGL presented at its investor conference of November 17 and 18 2003. The slide depicts various components of what AGL Resources designates as "debt." To the left of the slide are calculations I made on the basis of the data in the slide, and below those calculations are the ratios from my comparable company analysis. Clearly the results of my comparable company analysis are a sound basis for the capital structure in this case.

1 Q\_25. What is the source of the data in your capital  
2 structure?

3  
4 A\_25. The source of my data is each company's SEC  
5 form 10-K for 2003 and 2001. The 2003 10-K  
6 provides data for 2003 and 2002. The 2001 10-K  
7 provides data for 2001.

8  
9 Q\_26. Why did you use the 10-K form?

10  
11 A\_26. I used the 10-K because it is audited. My  
12 Schedule 6 pages 1-10 display portions of the  
13 auditors' statements from each SEC form 10-K  
14 for 2003. In every case the auditors write that  
15 the results shown in the 10-K are a "fair"  
16 representation of the company's financial  
17 condition.

18  
19 Q\_27. Does Dr. Morin's testimony refer to auditors'  
20 statements?

21  
22 A\_27. No. Dr. Morin does not refer to any statement  
23 by an auditor.

24  
25 Q\_28. What is the source of the equity ratios listed  
26 in Dr. Morin's Exhibit RAM-9?

27  
28 A\_28. The source of equity ratios listed in Dr.  
29 Morin's is a publication named Value Line.

30  
31 Q\_29. What disclaimer does Value Line make to people  
32 who rely on its data?

1   A\_29.       Value Line tells the people who rely on its  
2               data: "Factual material is obtained from  
3               sources believed to be reliable and is provided  
4               without warranties of any kind. THE PUBLISHER  
5               IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS  
6               HEREIN [sic]."

7  
8   Q\_30.       Regarding Dr. Morin's exhibit RAM-9, are any of  
9               those equity ratios the result of Value Line  
10              omitting data in the calculation of the equity  
11              ratio?

12  
13   A\_30.       Yes. Of the 10 companies I accept as comparable  
14               in Dr. Morin's exhibit RAM-9, all 10 equity  
15               ratios are the result of Value Line omitting  
16               short-term debt from the calculation of the  
17               equity ratio.

18  
19   Q\_31.       To your knowledge has Value Line published  
20               information regarding AGL Resources' recent  
21               petition to the SEC asking that its  
22               subsidiaries be allowed to issue \$1 billion in  
23               short-term debt?

24  
25   A\_31.       No. I have no knowledge of Value Line  
26               publishing information regarding AGL Resources'  
27               recent petition to the SEC asking that its  
28               subsidiaries be allowed to issue \$1 billion in  
29               short-term debt.

30  
31   Q\_32.       Do you know if AGL Resources or CGC has  
32               informed the TRA of CGC taking on \$250 million  
33               of short-term debt in the attrition year?

1 A\_32. No. I do not know if AGL Resources, or CGC has  
2 informed the TRA of CGC taking on \$250 million  
3 of short-term debt in the attrition year.  
4

5 Q\_33. Do you know if AGL Resources or CGC has filed  
6 its SEC petition in the current case?  
7

8 A\_33. No. The rate case was filed on January 26, and  
9 the SEC petition was filed about 5 weeks later  
10 in early March. The SEC petition is not part of  
11 the material CGC filed in this case.  
12

13 Q\_34. Which federal and state agencies approve the  
14 short-term debt issues of a subsidiary of a  
15 registered Public Utility Holding Company, as  
16 in the case of CGC being a subsidiary of AGL  
17 Resources?  
18

19 A\_34. Depending on circumstances, just one agency  
20 approves the short-term debt issues of the  
21 subsidiary. The SEC defers to state commissions  
22 when they have taken actions to approve short-  
23 term issues of a utility subsidiary. On the  
24 other hand, if there has been no such action,  
25 then the SEC is the approving agency.  
26

27 Examples are provided in SEC release No. 35-  
28 27767 of November 21, 2003 which also appears  
29 in the Federal Register Vol. 68. No. 230,  
30 Monday December 1, 2003, page 67232. In that  
31 release Section D "Utility Subsidiary  
32 Financing" footnote 15 specifically lays out  
33 the conditions for the SEC's approval of short-  
34 term issues.



1                   “ the issue and sale of securities by the utility  
2                   Subsidiaries will be exempt, under rule 52(a), from the  
3                   preapproval requirements of sections 64(a) and 7 of the  
4                   Act, as most such securities must be approved by the  
5                   public service commission in the state in which each  
6                   Utility Subsidiary is incorporated and operating.  
7                   Specifically, the Indiana Utility Regulatory Commission  
8                   must approve all financings by Northern Indiana,  
9                   Kokomo and NIFL, other than short-term indebtedness  
10                  having a maturity of 12 months or less; the  
11                  Massachusetts Department of Telecommunications and  
12                  energy must approve all financings by Bay State other  
13                  than short-term indebtedness having a maturity of one  
14                  year or less; the New Hampshire Public Utilities  
15                  Commission (“NHPUC”) must approve most financings  
16                  by Northern Utilities other than short-term indebtedness  
17                  having a maturity of one year or less up to a maximum  
18                  amount equal to 10% of net plant; the Public Utilities  
19                  Commission of Ohio must approve all financings by  
20                  Columbia Ohio other than short-term indebtedness with  
21                  a maturity of less than one year, the Public Service  
22                  Commission of Kentucky must approve all financings by  
23                  Columbia Kentucky other than notes with a maturity of  
24                  less than two years; the Pennsylvania Public Utilities  
25                  Commission must approve all financings by Columbia  
26                  Pennsylvania other than short-term indebtedness with a  
27                  maturity of one year or less or having no fixed maturity  
28                  but payable on demand; and the Virginia State  
29                  Corporation Commission must approve all financings by  
30                  Columbia Virginia other than short-term indebtedness  
31                  with a maturity of less than one year if the [short-term]  
32                  amount is less than 12% of total capitalization ..”  
33  
34

1  
2 Q\_35. In your research for this case have you found  
3 any SEC release where the TRA is mentioned or  
4 considered as having authority to approve  
5 short-term debt issues of a Public Utility  
6 Holding Company's subsidiary, such as CGC?

7  
8 A\_35. No. I have not found any SEC release where the  
9 TRA is mentioned or considered as having  
10 authority to approve short-term debt issues of  
11 a Public Utility Holding Company's subsidiary,  
12 such as CGC.

13  
14 Q\_36. In your opinion what does the SEC release mean  
15 for this rate case?

16  
17  
18 A\_36. It means that CGC, as wholly owned subsidiary  
19 of AGL Resources, has offered in this case a  
20 capital structure substantially at odds with  
21 the one it is likely to operate on and one  
22 substantially at odds with the capital  
23 structure shown in my Schedules 4 and 5.

24  
25 Q\_37. What is your opinion of the capital structure  
26 CGC offers in this case?

27  
28 A\_37. My opinion is to disregard the capital  
29 structure because it is neither representative  
30 of the comparable companies nor representative  
31 of CGC's likely future behavior.  
32

1 Q\_38. In your opinion what capital structure should  
2 be the basis for the rates resulting from this  
3 case?

4  
5 A\_38. In my opinion the rates resulting from this  
6 case should be based on an equity ratio of  
7 42.5%, a short-term debt ratio of 12.9%. The  
8 remainder of 44.6% is composed of long-term  
9 debt.

10  
11 **V. Effect Of AGL Resources On The**  
12 **Economic Conditions Presented By**  
13 **CGC In This Case**

14  
15  
16 Q\_39. What has Dr. Morin testified to regarding the  
17 economic effect of AGL Resources on CGC's  
18 capital cost?

19  
20 A\_39. Dr. Morin has separated CGC from AGL Resources,  
21 as if the parent holding company has no effect  
22 on the capital costs or operating costs of CGC.

23  
24 For example, at page 6 line 3 Dr. Morin  
25 testifies, "I am treating CGC as a separate  
26 stand-alone entity distinct from its parent  
27 company..." and further testifies at page 6  
28 lines 12 -13 that, "the required return on  
29 CGC... is unrelated to the parent's cost of  
30 capital."  
31

1 Q\_40. In your opinion is Dr. Morin's position  
2 consistent with the previous rate case decision  
3 for Chattanooga in Docket No. 97-00982?  
4

5 A\_40. No. In my opinion Dr. Morin's position is  
6 inconsistent with previous order.  
7

8 For example, the docket's final order, at page  
9 50, says: "The Directors adopted the testimony  
10 ... for the Consumer Advocate ...and...for AVI  
11 that AGL is the appropriate company to  
12 reference for determining the cost of equity."  
13

14 Q\_41. Are there other CGC witnesses who take the same  
15 approach as Dr. Morin, that CGC's capital costs  
16 should be different than the capital costs of  
17 its parent?  
18

19  
20 A\_41. Yes. Mr. Morley, the Director of Financial  
21 Accounting for AGL Services Company, takes the  
22 same approach with regard to short-term debt  
23 cost.  
24

25 For example, in his testimony from page 18 line  
26 16 to page 19 line 1, Mr. Morley testifies:  
27

1           *"The estimated cost of short-term debt includes the cost*  
2           *of AGLR's projected average short-term debt balance*  
3           *through the attrition period The cost of short-term debt*  
4           *is based on the estimated London Inter-Bank Offer Rate*  
5           *(LIBOR) plus an estimated spread above LIBOR.*  
6           *Additionally, AGLR's costs to maintain its credit faculty*  
7           *have been included in the cost of short-term debt. The*  
8           *spread is based on the estimated interest costs were*  
9           *Chattanooga to have a short-term financing facility in its*  
10           *name."*

11  
12   Q\_42.       In your opinion what is the practical meaning  
13               of Mr. Morley's statement?

14  
15   A\_42.       In my opinion Mr. Morley's statement means  
16               CGC's short-term debt cost is higher than its  
17               parent's cost by the amount of the "spread."

18  
19   Q\_43.       In your opinion, if CGC issues short-term debt  
20               in its own name, who will be the lender?

21  
22   A\_43.       In my opinion the lender will be AGL Resources  
23               or another subsidiary such as AGL Capital.

24  
25   Q\_44.       Why would the lender be AGL Resources or AGL  
26               Capital?

27  
28   A\_44.       I have that opinion because SEC release of  
29               March 10, 2004 says:

30  
31               *"Applicants request authorization for the following*  
32               *transactions . issuances by AGL Resources of*  
33               *guarantees and other forms of credit support in an*  
34               *aggregate amount of \$1 billion at any time outstanding...*

1  
2                   *"Current Debt Ratings The debt ratings of AGL*  
3                   *Resources and certain of its subsidiaries are set forth*  
4                   *below.....CGC and VNG currently have no externally*  
5                   *held securities and therefore are not rated..."*  
6

7   Q\_45.       In your opinion will CGC's issue of short-term  
8               debt create an avenue for profit on the part of  
9               the parent holding company?

10  
11   A\_45.       Yes. My opinion is that an avenue for profit is  
12               being created because AGL will have a markup on  
13               the short-term debt it extends to CGC, even  
14               though CGC is a wholly owned subsidiary.  
15

16   Q\_46.       In your opinion, what economic justification  
17               does AGL Resources offer for its treatment of  
18               CGC?  
19

20   A\_46.       Judging from the overall testimonies of Dr.  
21               Morin and Mr. Morley, in my opinion the holding  
22               company is offering an economic justification  
23               that I paraphrase as: If CGC were on its own,  
24               its capital cost would be much higher than it  
25               is, but by being affiliated with the holding  
26               company, CGC is still far better off than  
27               otherwise, even when the markup is considered.  
28

29               My paraphrase is another way of expressing Mr.  
30               Morley's statement, "were Chattanooga to have  
31               ... in its own name," and another way of  
32               expressing what Dr. Morin says in his testimony  
33               at page 23 lines 18 to 21:  
34

1                   *"Given the Company's relatively small size, it is*  
2                   *reasonable to postulate that CGC possesses an*  
3                   *investment risk profile that is at least as risky as that of*  
4                   *the average risk publicly-traded natural gas distribution*  
5                   *utility company "*  
6

7                   Dr. Morin and Mr. Morley propose to set utility  
8                   rates on a condition contrary to fact: as if  
9                   CGC were independent of AGL even though AGL  
10                  acquired CGC in 1989.  
11

12  
13       Q\_47.       In your opinion, who would benefit from Dr.  
14                  Morin's and Mr. Morley's proposal to apply a  
15                  markup to a subsidiary's capital cost?  
16

17       A\_47.       In my opinion, the parent company would benefit  
18                  from the markup.  
19

20       Q\_48.       In your opinion, is AGL Resources pursuing a  
21                  regulatory strategy where the subsidiaries will  
22                  pay a markup on their capital costs?  
23

24       A\_48.       Yes. In my opinion AGL Resources is pursuing a  
25                  regulatory strategy where the subsidiaries will  
26                  pay a markup on their capital costs.  
27

28                  I have that opinion because AGL Resources used  
29                  this strategy in its financing case before the  
30                  Virginia State Corporation Commission (VSCC).  
31                  My Schedule 7 displays selected information  
32                  from that VSCC case  
33

1 As part of my research for this case I reviewed  
2 filings in Virginia by AGL Resources and its  
3 subsidiary Virginia Natural Gas. I discovered  
4 information relevant to the current case before  
5 the TRA. Case PUE-2002-00515, "Application For  
6 Authority To Issue Short-Term Debt, Long-Term  
7 Debt and Common Stock To Affiliate Under  
8 Chapters 3 and 4, Title 56 of the Code of  
9 Virginia" was a joint filing by Virginia  
10 Natural Gas, AGL Resources and AGL Services.  
11 Attached to the petition was a 5-page document  
12 titled "Exhibit A Financing Summary," which  
13 contains a statement similar in economic  
14 meaning to Dr. Morin's and Mr. Morley's  
15 statements.

16  
17 For example, at page 5 of 5:

18  
19 *"Even though the rate of interest to be used for the*  
20 *long-term debt is not known at this time, it will be lower*  
21 *than VNG could expect to obtain on its own were it not*  
22 *affiliated with AGLR"*

23  
24 The petition itself was a 10-page document. At  
25 page 6 the applicants wrote: "Because the  
26 proposed financing transactions will be private  
27 transactions, expenses relating to the proposed  
28 financing...will be borne by the Applicants."

29  
30 The VSCC's order of September 27, 2002  
31 stated:



1                   *"The amount of short-term debt proposed in the*  
2                   *application exceeds twelve percent of capitalization*  
3                   *.. Approval of this application shall have no implications*  
4                   *for ratemaking purposes...The Commission reserves the*  
5                   *right pursuant to.. Virginia Code to examine the books*  
6                   *and records of any affiliate in connection with the*  
7                   *Authority granted herein, whether or not such affiliate is*  
8                   *regulated by this Commission."*  
9

10    Q\_49.       In your opinion, what is the economic meaning  
11                   of "private" in the context of transactions  
12                   between the parent, AGL Resources, and its  
13                   subsidiary?  
14

15    A\_49.       In my opinion the economic meaning of "private"  
16                   means that such transactions are not carried  
17                   out at a prevailing market price enjoyed by the  
18                   parent but at a higher price set by the parent  
19                   according to its discretion. Thus the parent's  
20                   economic discretion leads to higher prices for  
21                   the subsidiary's ratepayers  
22

23    Q\_50.       In your opinion is CGC's proposed short-term  
24                   debt ratio of 4.3% an example of the parent's  
25                   discretion leading to higher prices for the  
26                   subsidiary's ratepayers?  
27

28    A\_50.       Yes. In my opinion CGC's proposed short-term  
29                   debt ratio of 4.3% an example of the parent's  
30                   discretion leading to higher prices for the  
31                   subsidiary's ratepayers.  
32

1 For example, SEC's Release No. 35-27812 already  
2 shows that CGC is being positioned to rely more  
3 heavily on short-term debt than the 4.3% debt  
4 ratio suggests. In addition, in Virginia the  
5 parent company proposed a short-term ratio  
6 nearly three times larger than the ratio  
7 proposed in Tennessee. To the extent that  
8 short-term debt is the least costly form of  
9 debt in the capital structure, CGC's proposed  
10 4.3% short-term ratio raises prices for CGC's  
11 ratepayers.  
12

13 Q\_51. Do you know if the VSCC has accepted AGL  
14 Resources regulatory proposition that a parent  
15 company has the discretion to apply a markup to  
16 the capital cost of a wholly owned subsidiary?  
17

18 A\_51. No. I do not know if the VSCC has accepted AGL  
19 Resources' proposition.  
20

21 Q\_52. Do you accept AGL Resources' proposition?  
22

23 A\_52. No. I reject it because it introduces  
24 incentives within the holding company system to  
25 acquire profits through markups to subsidiaries  
26 rather than the efficient operation of a  
27 business. In addition, wholly owned  
28 subsidiaries do not have individual,  
29 independent judgment in their financial  
30 affairs. They are the economic instruments of  
31 the holding company.  
32

1 Q\_53. In your opinion is the VSCC taking a reasonable  
2 economic precaution when reserving "the right  
3 pursuant to...Virginia Code to examine the  
4 books and records of any affiliate in  
5 connection with the Authority granted herein,  
6 whether or not such affiliate is regulated by  
7 this Commission?"

8  
9 A\_53. Yes. In my opinion that approach to regulating  
10 a subsidiary of a registered public holding  
11 company is a reasonable economic precaution to  
12 guard against the unreasonable shifting of  
13 expenses, revenues and other type of entries  
14 between subsidiaries.

15  
16 Q\_54. Why do you have the opinion that economic  
17 precaution is necessary?

18  
19 A\_54. My opinion is based on two discoveries  
20 resulting from CAPD's preparation for this  
21 case.

22  
23 One discovery concerns AGL Resources'  
24 compliance with SEC rules governing  
25 notification of the federal agency when a  
26 holding company issues long-term debt to a  
27 subsidiary. The other discovery concerns the  
28 abrupt reversal of CGC's and VNG's  
29 profitability in a short period of time, where  
30 the two subsidiaries traded places in their  
31 rates-of-return on equity, according to  
32 documents filed with the SEC by AGL Resources.  
33

1 Q\_55. What are the details of the first item you  
2 discovered?

3  
4  
5 A\_55. The details are provided in my Schedule 8,  
6 which displays SEC Form U-6B-2 filed in late  
7 July 2003. In the form, paragraphs 3, 4, 5, 6,  
8 and 7 respectively show that AGL Resources  
9 issued a long-term note to VNG for \$20.3  
10 million at an interest rate of 8.3%, on July 15  
11 2001, that the security was new rather than a  
12 reissue, and that the maturity date is July 15,  
13 2031. Paragraph 15 shows the phrase "Rule  
14 52(a)," which is an SEC rule which exempts a  
15 holding company from getting the SEC's approval  
16 to issue such debt when the holding company  
17 already has approval by a state utility  
18 commission.

19  
20 CFR 250.52(a) reads:  
21

1           “§ 250.52 Exemption of issue and sale of certain  
2 securities (a) Any registered holding-company  
3 subsidiary which is itself a public-utility company shall  
4 be exempt from section 6(a) of the Act (15 U.S.C. 79f(a))  
5 and rules thereunder with respect to the issue and sale of  
6 any security, of which it is the issuer if: (1) The issue and  
7 sale of the security are solely for the purpose of financing  
8 the business of the public-utility subsidiary company; (2)  
9 The issue and sale of the security have been expressly  
10 authorized by the state commission of the state in which  
11 the subsidiary company is organized and doing business;  
12 and (3) The interest rates and maturity dates of any debt  
13 security issued to an associate company are designed to  
14 parallel the effective cost of capital of that associate  
15 company ”

16  
17 But there is a deadline for notifying the SEC  
18 of such transactions. The deadline is in CFR  
19 250.52 (c) :

20  
21           “(c) Within ten days after the issue or sale of any  
22 security exempt under this section, the issuer or seller  
23 shall file with the Commission a Certificate of  
24 Notification on Form U-6B-2 (17 CFR 259.206)  
25 containing the information prescribed by that form.  
26 However, with respect to exempt financing transactions  
27 between associate companies which involve the repetitive  
28 issue or sale of securities or are part of an intrasystem  
29 financing program involving the issuance and sale of  
30 securities not exempted by this section, the filing of  
31 information on Form U-6B-2 may be done on a calendar  
32 quarterly basis ”  
33

1 Thus AGL's U-6B-2 filing was two years late,  
2 according to the SEC's rules.

3  
4 Q\_56. Besides this U-6B-2, has AGL Resources filed  
5 any others?

6  
7 A\_56. Yes. AGL Resources filed one on March 23, 2001  
8 for the quarter ending December 31, 2000.

9  
10 Q\_57. About the time AGL Resources filed the U-6B-2  
11 on behalf of VNG, what interest rate was AGL  
12 Resources offering on its new issues of debt  
13 securities?

14  
15 A\_57. AGL Resources was offering a rate of 4.45% on a  
16 ten-year note. On June 30, 2003 AGL Resources  
17 filed an SEC form 424B2. The form is a  
18 supplement to an earlier AGL Resources  
19 prospectus. The form describes an offering of  
20 \$225 million at 4.45% for 10 years.

21  
22 Q\_58. In your opinion what issues does the U-6B-2  
23 filing raise with regard to a parent providing  
24 a capital note to its subsidiary?

25  
26 A\_58. In my opinion the filing raises the issue of  
27 how a parent's treatment of a subsidiary's  
28 capital costs should be treated for ratemaking  
29 purposes, especially because SEC rule 52(a)  
30 shows that a holding company is not to have an  
31 unrestrained hand in setting its long-term-  
32 interest rate for the subsidiary.

1 The very-late U-6B-2 filing also begs three  
2 questions:

3  
4 how can 8.3% "parallel the effective cost of  
5 capital of that associate company" when VNG, as  
6 a subsidiary of AGL Resources, has not yet been  
7 in a rate case before the VSCC?

8  
9 how can 8.3% represent a market rate for the  
10 security, when at nearly the same time of the  
11 notification the parent is engaged in a  
12 "public" transaction of issuing 4.45% 10-year  
13 debt securities?

14  
15 are the terms "subordinated" and "unsecured"  
16 accurate descriptions of the risk, if there is  
17 any at all, a parent is taking when it provides  
18 capital to a 100% owned subsidiary?

19  
20  
21 **Q\_59. Does the holding company's interest rate to the**  
22 **subsidiary matter in a rate case?**

23  
24 **A\_59.** The holding company's interest rate to the  
25 subsidiary matters most if consumers are paying  
26 rates based on the subsidiary's capital  
27 structure. In this situation the capital  
28 transactions between the parent and its various  
29 subsidiaries require tracing, auditing, and  
30 verifying. To the extent rates are set on  
31 comparable companies and on the parent's  
32 capital costs, the audit and verification  
33 burdens are lifted. However, the debt's  
34 interest rate, if allowed to enter the

1 subsidiary's books, has an impact on expenses  
2 and masks the true earnings of the subsidiary  
3 as if it is not earning the targeted rate of  
4 return.

5  
6 Q\_60. **How does this issue relate to CGC's cost-of-**  
7 **debt?**

8  
9 A\_60. The issue shows that a subsidiary's cost of  
10 debt can be higher than the parent's depending  
11 on the parent's timing and method of populating  
12 a subsidiary's debt balances.

13  
14 For example, Mr. Morley, at page 19 lines 4-13  
15 explains his derivation of CGC's long-term debt  
16 cost:

17  
18 *"The cost of long-term debt includes the cost of senior*  
19 *notes and medium-term notes within the consolidated*  
20 *capital structure of AGLR. Interest costs and*  
21 *amortization of debt discounts, debt premiums and debt*  
22 *issuance costs (collectively referred to as amortization of*  
23 *debt costs) were projected for the attrition period. The*  
24 *cost projection was calculated using actual interest rates*  
25 *and the current monthly amortization of debt costs on*  
26 *existing debt. If applicable [emphasis added by CAPD],*  
27 *interest rates and amortization of debt costs were*  
28 *estimated for new issuances of debt. The total cost of*  
29 *long-term debt projected for the attrition period was then*  
30 *divided into the projected ending debt balance at June*  
31 *30, 2005, resulting in a cost rate of 6 74%."*

32  
33 *"How was the cost of preferred stock determined?"*  
34



1                   *"The cost of preferred stock was calculated in the same*  
2                   *manner as the cost for long-term debt, resulting in a cost*  
3                   *rate of 8.54%."*  
4

5                   However, at its investor conference of November  
6                   17-18, 2003, AGL Resources presented the slide  
7                   I am showing as my Schedule 9. For the period  
8                   2001 through 2004, that slide depicts a pattern  
9                   of a declining cost of debt, where debt is  
10                  apparently every capital type except equity.  
11

12                  To the extent that declining costs are achieved  
13                  by replacing higher cost notes with lower cost  
14                  ones, new issues are required. But Mr. Morley  
15                  uses the term "if applicable" to describe his  
16                  decision to apply new issues in his  
17                  determination of debt and preferred cost. Just  
18                  as AGL Resources' petition to the SEC regarding  
19                  CGC's issuing \$250 of short-term debt was not  
20                  accounted for in CGC's rate-case filing, there  
21                  may be other financing activities that may  
22                  affect the rates set in this case.  
23

24                  Therefore, caution should be applied to the  
25                  methods AGL Resources employs to establish a  
26                  subsidiary's capital cost.  
27

28                  For example, in his testimony at page 19, lines  
29                  19-21, Mr. Morley suggests that it is  
30                  reasonable to use AGL Resources consolidated  
31                  debt to derive CGC's debt and preferred costs:  
32

33                   *" Why was the long-term debt cost based on*  
34                   *consolidated AGLR?*

1  
2                   *"Chattanooga has no debt in its name and any financing*  
3                   *needs are provided through the debt structure of the*  
4                   *AGLR consolidated group. Additionally, use of the AGLR*  
5                   *consolidated debt cost is consistent with the previous rate*  
6                   *case decision for Chattanooga in Docket No 97-00982 "*  
7

8    Q\_61.        Do you agree that consolidated costs should be  
9                   used?  
10

11  
12   A\_61.        Yes. I agree that consolidated costs should be  
13                   used but I disagree with Mr. Morley's  
14                   reasoning, about why the consolidated costs  
15                   should be used. What Mr. Morley does not say is  
16                   that Chattanooga has no debt in its name  
17                   because in February 2001 AGL Resources  
18                   reclassified CGC's long-term debt as a premium  
19                   on capital stock, thus eliminating long-term  
20                   debt from CGC's balance sheet. As a  
21                   consequence, AGL Resources is now in the  
22                   position of being able to pay itself dividends  
23                   out of the premium without having any tax  
24                   liability.  
25

1 In addition, AGL Resources now has the  
2 opportunity to repopulate CGC's long-term debt  
3 balance with new long-term debt issues from the  
4 parent, with rates set by the parent, provided  
5 the long-term notes are approved by either the  
6 SEC or the state utility agency. To the extent  
7 AGL Resources seeks state approval rather than  
8 federal approval, any such note could be exempt  
9 from SEC approval because of the rules in CFR  
10 250.52(a) which I explained earlier.

11  
12 Once AGL Resources receives the SEC's approval  
13 for CGC to issue large amounts of short-term  
14 debt, the door is open sometime later for CGC  
15 to seek state or federal regulatory approval to  
16 convert the short-term notes to long-term at  
17 rates set by the holding company not by the  
18 market.

19  
20 Therefore, in any subsequent CGC rate case the  
21 subsidiary may have substantial amounts of long  
22 term debt on its books, and there would no  
23 longer be a need to use consolidated debt if  
24 Mr. Morley's reasoning were accepted. In my  
25 opinion that would put CGC ratepayers on a  
26 long-term path to permanently higher rates.  
27

1 There is one best procedure to protect rate  
2 payers, regardless of the amount of long-term  
3 debt on the subsidiary's balance sheet: Set the  
4 subsidiary's utility rates by determining the  
5 parent's equity cost and debt cost, and then  
6 use that total capital cost as the subsidiary's  
7 capital cost. That cost would be adjusted only  
8 if the subsidiary owes debt that is from a  
9 lender outside the holding company.

10  
11 Q\_62. Is there a name for the procedure you are  
12 describing?

13  
14 A\_62. Yes. The procedure's name is "double-leverage."

15  
16 Q\_63. Has the TRA or its predecessor, the Tennessee  
17 Public Service Commission, dealt with the  
18 "double-leverage" in prior rate cases?

19  
20 A\_63. Yes. In the final order of TPSC dockets U-83-  
21 7226 and U-85-7338, at pages 16-17, the TPSC  
22 wrote:

23  
24 *"The Commission adopts the double leverage capital*  
25 *structure advocated by Dr. Westfield for setting rates in*  
26 *this case...The company argues that the Commission*  
27 *should reject double-leverage and ignore the parent-*  
28 *subsidiary relationship between AWWC and the*  
29 *Company. Dr. Morin testified that the Commission*  
30 *should pretend that Tennessee-American's equity capital*  
31 *is raised in the marketplace...The double-leverage*  
32 *approach rejects this fiction"*  
33

1 Schedule 10 displays information from that  
2 final order  
3

4 Q\_64. What is your opinion about the other portion of  
5 Mr. Morley's reasoning, that "... additionally,  
6 use of the AGLR consolidated debt cost is  
7 consistent with the previous rate case decision  
8 for Chattanooga in Docket No. 97-00982?"  
9

10 A\_64. My opinion is that his reasoning is not  
11 supported by the order.  
12

13 For example, the final order of Docket No. 97-  
14 00982, at page 49, says: "the Advocate and AVI  
15 did not endorse [CGC's] proposed capital  
16 structure and cost rates... Therefore, the  
17 Directors adopted [CGC's] capital structure and  
18 cost rates." There are no statements in the  
19 order affirming that consolidated capital costs  
20 must be used to set rates.  
21

22 In addition, AGL Resources is now a registered  
23 holding company subject to all the SEC rules.  
24 At the time of the last case AGL Resources was  
25 an exempt holding company.  
26

27 Q\_65. What are the details of the second item you  
28 discovered?  
29

30 A\_65. The details are provided in my Schedules 11 and  
31 12.  
32  
33

My Schedule 11 is a copy of one part of AGL Resources SEC Form 8-K filing of November 7, 2002. At an analysts' conference in Miami, Florida the company reported the actual return on equity as of September 30, 2002 for AGL Resources distribution subsidiaries Atlanta Gas Light, CGC, and VNG. CGC's actual equity return was 10.53%, or 175 basis points higher than VNG's actual equity return of 8.73%. VNG's return was based on "actual weather" conditions according to footnote 3, apparently a reference to a "Weather Normalization Program" tariff rider in VNG's rates.

**Q\_66. If these returns are actual returns, then is it correct to say these returns are not "forward looking" returns?**

**A\_66. Yes.** Those statements are not "forward looking." The SEC's policy is that a "forward looking" statement is one that is accepted as economic estimate for which no guarantees are implied.

For example, many of the statements and the data at the AGL Resources November 2003 investors conference are "forward looking" and the company cautions investors that "actual results...could differ materially."

1           However, to the degree that such statements are  
2           about actual and past performance, they are not  
3           "forward looking." Therefore, the actual equity  
4           returns in AGL Resources' SEC form 8-K are not  
5           "forward looking" equity returns.

6  
7    Q\_67.       At the time of the November 2002, 8-K filing  
8               were those actual returns also returns that  
9               were in the past, that had already occurred?

10  
11   A\_67.       Yes.

12  
13   Q\_68.       What kind of returns are shown in Schedule 12?

14  
15   A\_68.       My Schedule 12 is a copy of a slide included in  
16               AGL Resources SEC Form 8-K filing of November  
17               18, 2003. The slide was presented by AGL  
18               Resources at its investor conference of  
19               November 17-18, 2003. The slide shows "actual"  
20               returns in the body of the chart, but its  
21               header has a slightly different title:  
22               "Distribution Operations Projected ROE - 12  
23               Months Ending 12/31/03." CGC's actual equity  
24               return was 8.97% and VNG's actual return was  
25               11.38%. But this particular presentation makes  
26               no reference to VNG's weather conditions.

27  
28   Q\_69.       Besides these SEC Form 8-K filings, have you  
29               found any other public document issued by AGL  
30               Resources that discloses the actual equity  
31               returns of CGC and VNG?

32  
33   A\_69.       No. Other than those two documents, I have  
34               found no others.

1  
2 Q\_70. What rate-of-return references have you found  
3 regarding CGC and VNG in AGL Resources' other  
4 SEC documents?

5  
6 A\_70. The other references typically say "Return on  
7 Rate Base Authorized" or "Return on Common  
8 Equity Authorized" or "Estimated 2003  
9 Jurisdictional Return on Equity."

10  
11 Q\_71. What was CGC's overall rate of return for the  
12 period ending September 30, 2002, according to  
13 TRA Form 303?

14  
15 A\_71. According to the TRA Form 303, CGC' overall  
16 rate of return was 8.85%, which was derived  
17 from an operating income of \$8.45 million and a  
18 rate base of \$95.5 million.

19  
20 Q\_72. Does CGC report a rate of return on equity in  
21 the TRA Form 303?

22  
23 A\_72. No. CGC does not report a rate of return on  
24 equity in the TRA Form 303.

25  
26  
27 Q\_73. When VNG's equity return was 8.73% in September  
28 2002, did AGL Resources subsequently file a  
29 rate case to improve VNG's equity return to  
30 11.36% by the end of 2003?

31  
32 A\_73. No. AGL Resources did not file a rate case in  
33 Virginia for VNG.



1 Q\_74. What did VNG and AGL Resources do instead of  
2 filing a rate case in Virginia?

3  
4 A\_74. Prior to September 2002 VNG offered a two-year  
5 rate freeze as part of a petition to the VSCC  
6 requesting approval for the company to add a  
7 Weather Normalization Adjustment (WNA) rider to  
8 bills of VNG's consumers. The reference is VSCC  
9 Case No. PUE-2002-00237.

10  
11 Q\_75. What did the VSCC order VNG to report with  
12 regard to the WNA program?

13  
14 A\_75. As a part of its approval order, the VSCC  
15 ordered VNG to file reports with the VSCC July  
16 2003 and July 2004 and to report on the WNA's  
17 impact on VNG's cash flow and on VNG's equity  
18 return both with and without revenues from the  
19 WNA.

20  
21 Q\_76. Did you review the July 2003 report?

22  
23 A\_76. Yes. I reviewed the July 2003 report.

24  
25 Q\_77. What information did you discover in the report  
26 regarding VNG's return on equity?

27  
28 A\_77. My Schedules 13, 14, and 15 display the  
29 information.  
30

1 Schedule 13 displays the report's cover page,  
2 Schedule 14 displays the WNA's cash-flow effect  
3 on VNG and Schedule 15 displays the change in  
4 equity return. According to the report, VNG had  
5 a net cash-flow decline of approximately \$2  
6 million and a decline in equity return of .56%,  
7 which is the difference between 11.46% and  
8 10.90%.

9  
10 **Q\_78. Are these equity returns consistent with VNG's**  
11 **actual equity return of 8.73% as of September**  
12 **30, 2002, which was reported by AGL Resources**  
13 **in its SEC Form 8-K filing of November 7, 2002?**

14  
15 **A\_78. No. The results are very inconsistent.**

16  
17 Consider this information: On September 30,  
18 2002 VNG has an actual equity return of 8.73%,  
19 according to AGL Resources; VNG initiates its  
20 WNA in November 2002; VNG has a \$2 million  
21 decline in revenues by the end of May 2003; VNG  
22 has a 10.9% return on equity for twelve months  
23 ending May 2003; VNG's equity return improves  
24 by 2.2% from September 30, 2002 to May 30, 2003  
25 while its cash flow declines by \$2 million.

26  
27 **Q\_79. In your opinion what is the effect of these**  
28 **inconsistent returns?**

29  
30 **A\_79. In my opinion the inconsistency throws doubt on**  
31 **the accuracy of AGL Resources' financial**  
32 **reporting procedures with respect to the actual**  
33 **profitability of its regulated subsidiaries CGC**  
34 **and VNG. Accounting adjustments by the holding**

company, changes in allocations between the subsidiaries or a combination of both may have a substantial effect on a subsidiary's profitability, especially one as small as CGC.

Consider again VNG's 11.38% "actual" equity return, shown in AGL's slide copied into my Schedule 12, reported to the SEC. Nothing in the slide indicates the influence of the WNA program on VNG's 11.38% equity return. Compare that return to the 11.46% return VNG reported for the twelve months ending May 31, 2003, shown in my Schedule 15. VNG reported that the return of 11.46% "Excluded Net WNA Credits To Customers." In contrast, the actual equity return is just 10.90% when the WNA program is included. Therefore, the 11.38% return reported to the SEC, an agency whose data is most likely to be accessed by investors, is probably not an "actual" return and is different from the "actual" return reported to the state agency, the VSCC. AGL Resources is very inconsistent in how it represents its subsidiaries' return on equity.

**Q\_80. What has AGL Resources reported since November 2003 about the subsidiaries equity returns?**

**A\_80.** In an SEC Form 8-K filing of January 28, 2004 AGL has reported an "estimated 2003 jurisdictional returns on equity" of 11.07% for VNG and 8.05% for CGC, a difference of 302 basis points. Sixteen months earlier CGC's equity return was 175 points higher than VNG's.

1 Q\_81. Is there information in the 8-K report of  
2 January 28, 2004 indicating that VNG's reported  
3 equity return excludes the WNA program's  
4 effects?

5  
6 A\_81. No. There is no information in the 8-K filing  
7 indicating that VNG's reported equity return  
8 excludes the WNA program's effects.  
9

10 Q\_82. Does AGL Resources advise investors to use the  
11 SEC's 8-K form as a source of information on  
12 AGL Resources?  
13

14 A\_82. Yes. AGL Resources advises investors to use the  
15 SEC's 8-K form as a source of information on  
16 the company. For example, AGL Resources issued  
17 a press release on July 15, 2004 announcing  
18 AGL's acquisition of NUI Corporation. In the  
19 press release AGL said:  
20

21 *"Additional factors that could cause AGL Resources'*  
22 *and NUI Corporations' results to differ materially from*  
23 *those described in forward-looking statements can be*  
24 *found in the companies respective Annual Reports on*  
25 *Form 10-K, Quarterly Reports on Form 10-Q and*  
26 *Current Reports on Form 8-K filed with the Securities*  
27 *and Exchange Commission."*  
28

29 AGL's press release confirms that the SEC's 8-K  
30 form is an important source of information to  
31 investors, but in my opinion AGL's 10-Ks, 10-Qs,  
32 and 8-Ks are not necessarily reliable regarding  
33 the company's rate-of-return.

**VI. CGC Must Benefit From Sequent's Transactions If AGL Is To Comply With PUHCA**

Q\_83. In your opinion, is AGL Resources complying with PUHCA, according to public records?

A\_83. No. In my opinion AGL Resources is not complying with PUHCA, according to public records.

Q\_84. Why are you giving your opinion on the issue of AGL Resources' compliance with PUHCA?

A\_84. I am giving my opinion because Mr. Morley has made AGL's compliance with PUCHA an issue in this case. In Mr. Morley's direct testimony, at page 11 lines 17 to 23, he testifies: "In accordance with the Act, AGLR formed AGL Services Company ("AGSC") to provide shared services to all subsidiaries of AGLR at actual cost... AGLR [is] in compliance with" PUHCA.

Q\_85. Does Mr. Morley provide a definition of "at actual cost?"

A\_85. No. Mr. Morley does not provide a definition of "at actual cost."

1 Q\_86. In your opinion, does Mr. Morley's claim,  
2 that all of AGL's services are provided  
3 "at cost," mean AGL is in compliance with  
4 PUHCA?

5  
6 A\_86. No. In my opinion Mr. Morley's claim that all  
7 of AGL's services are provided "at cost" does  
8 not mean or ensure PUHCA compliance.

9  
10 Q\_87. What is the basis for your opinion that AGL  
11 Resources is not complying with PUHCA?

12  
13 A\_87. My opinion is based on Section 13(b) of PUHCA,  
14 as it applies to the transactions between two  
15 of AGL's subsidiaries - Sequent and CGC.  
16 Section 13(b) permits the registered holding  
17 company's subsidiary to perform a service, sale  
18 or construction contract for another subsidiary  
19 only if the transaction is "... for the benefit  
20 of [the subsidiary receiving the service], at  
21 cost, fairly and equitably allocated among such  
22 companies." [15 U.S.C. §79(m)].

23  
24 I emphasize the phrase "for the benefit of"  
25 because if Sequent is imposing economic loss on  
26 CGC for Sequent's discretionary activities,  
27 then AGL Resources is not in compliance with  
28 PUHCA, because PUHCA requires that transactions  
29 benefit the receiving subsidiary rather than  
30 harming it, even if Sequent is billing every  
31 service to CGC "at cost."

1 Based on my review of AGL's public records on  
2 file with the SEC and AGL's public records  
3 filed with the TRA regarding the Interruptible  
4 Margin Credit Rider (IMCR), my opinion is that  
5 CGC is not benefiting from its transactions  
6 with Sequent because CGC has suffered  
7 substantial losses caused by its transactions  
8 with Sequent. Therefore, Mr. Morley's  
9 testimony, that AGL is providing services "at  
10 cost". and is therefore in compliance with  
11 PUHCA, is mistaken. Transactions between  
12 Sequent and CGC under the Interruptible Margin  
13 Credit Rider (IMCR) show Sequent frequently  
14 imposing losses on CGC.

15  
16 A table from attachment D, page 1 of 14 of the  
17 IMCR report (filed February 27, 2007 with the  
18 TRA by AGL Resources) and a table from AGL's  
19 SEC U-9C-3 report for the quarter ending  
20 12/31/03 are shown below.

Attachment D  
Page 1 of 14

Chattanooga Gas Company  
IMCR Credit Rider Sharing For Twelve Months Ended December 31, 2003  
Details Of Net Gross Profit Margin from Transactions with Non-jurisdictional Customers

Month	Aggregate Net Margin	Annual Value Allocation	
		CGC Agent 50%	CGC Customer 50%
January 2003	3,191,999	1,595,999	1,595,999
February 2003	328,733	164,366	164,366
March 2003	(69,149)	(34,574)	(34,574)
April 2003	(387)	(193)	(193)
May 2003	642,467	321,233	321,233
June 2003	323,826	161,913	161,913
July 2003	(60,773)	(30,387)	(30,387)
August 2003	150,300	75,150	75,150
September 2003	(153,156)	(76,578)	(76,578)
October 2003	405,819	202,910	202,910
November 2003	(7,453)	(3,726)	(3,726)
December 2003	(2,266,909)	(1,133,454)	(1,133,454)
Adjustments			
InGround Transfer -01/03	(125,000)	(62,500)	(62,500)
Total	2,360,317	1,180,158	1,180,158

1

U-9C-3

ITEM 3 - ASSOCIATE TRANSACTIONS						
Part I - Transactions Performed by Reporting Companies on Behalf of Associate Companies						
for the Quarter Ended December 31, 2003 (in thousands)						
Reporting Company Rendering Services	Associate Company Receiving Services	Types of Services Rendered	Direct Costs Charged (b)	Indirect Costs Charged (b)	Cost of Capital (b)	Total Amount Billed (b)
	(a)					
SEM	Atlanta Gas Light Company	Gas procurement, scheduling and other	\$34	--	--	\$34
SEM	Virginia Natural Gas, Inc	Gas procurement, scheduling and other	54	--	--	54
SEM	Chattanooga Gas Company	Gas procurement, scheduling and other	25	--	--	25
SEM	GNG	Management and administrative payroll	4	--	--	4
SEM	AGL Networks, LLC	Management and administrative payroll	26	--	--	26
SEM	Atlanta Gas Light Company	Gas Transmission Storage Management	**	**	**	**
SEM	Virginia Natural Gas, Inc	Gas Transmission Storage Management	**	**	**	**
SEM	Chattanooga Gas Company	Gas Transmission Storage Management	**	**	**	**
(a)	All services are being provided at cost and are being billed (with the exception of certain direct billings) through AGL Services Company ("AGSC") As per Rules 80 and 81, energy purchases are not reported hereunder					
(b)	The Receiving Company makes available idle or underutilized gas transportation and storage capacity for use by the Serving Company, as agent for the Receiving Company, in return for which the Serving Company pays for costs incurred and shares the profits with the Receiving Company in accordance with approval by the appropriate state commissions					
**	Represents information filed separately with the Commission pursuant to a request for confidential treatment pursuant to Rule 104 of the Public Utility Holding Company Act of 1935, as amended					

2



1 The U-9C-3 uses the double-star image,  
2 "\*\*\*", to conceal the amount of direct cost  
3 assigned to CGC from Sequent. However, the  
4 two tables establish that CGC's IMCR  
5 tariff and Sequent's "natural gas  
6 transmission and storage" for CGC service  
7 are actually the same service. For  
8 example, the IMCR report refers to "CGC  
9 Agent 50%" and footnote (b) in the U-9C-3  
10 refers to "the Serving Company, as agent  
11 for the Receiving Company;" footnote (b)  
12 in the U-9C-3 says "the Serving Company  
13 ...shares the profits with Receiving  
14 Company," and the IMCR table shows the  
15 "net gross profit margin" being split "50-  
16 50" between CGC's agent and CGC as a  
17 customer. Thus AGL's own language  
18 establishes that Sequent's "natural gas  
19 transmission and storage" service  
20 utilizing CGC's "idle" capacity is the  
21 company's alternative description given to  
22 the SEC for transactions occurring through  
23 CGC's IMCR tariff in 2003.

24  
25 As the tables show, CGC's "idle" assets  
26 are being managed by Sequent for a fee of  
27 \$1.2 million (half of the net profits for  
28 "idle" capacity transactions go to  
29 Sequent) plus an additional amount of  
30 "direct costs" charged to CGC for  
31 Sequent's management of the "idle" assets.  
32  
33

1 Since CGC gets only \$1.2 million for its  
2 share of the "idle" capacity transactions,  
3 if the U-9C-3's "direct costs" to CGC  
4 exceed \$1.2, then the IMCR tariff creates  
5 a net loss for CGC, lowering its income  
6 and equity return

7  
8  
9 Q\_88. In your opinion why has Sequent assigned  
10 direct costs to CGC?

11  
12 A\_88. In my opinion, Sequent has assigned direct  
13 costs to CGC because the SEC's rules  
14 require such assignment.

15  
16 The SEC defines "at cost" in CFR250.91,  
17 which has four subparts, (a), (b), (c),  
18 and (d). Subpart (b) says:

19  
20 *"§250 91 Determination of cost. (b) Direct charges*  
21 *shall be made so far as costs can be identified and*  
22 *related to the particular transactions involved without*  
23 *excessive effort or expense .."*  
24

1 The assignment of direct costs to CGC for  
2 Sequent's discretionary management of  
3 CGC's idle capacity provides a superficial  
4 appearance of AGL Resources' being in  
5 compliance with the SEC "at cost" rules.  
6 If those costs exceed CGC's share of the  
7 IMCR profits, Sequent is harming CGC and  
8 such transactions should cease. Otherwise  
9 any holding company can impose losses on a  
10 regulated gas distribution subsidiary by  
11 using discretionary costs to drive down  
12 the subsidiary's equity return and quicken  
13 a cycle of rate increases.

14  
15 Q\_89. In your opinion, does the public record  
16 provide evidence that CGC is suffering a  
17 loss on its transactions with Sequent?

18  
19 A\_89. Yes. In my opinion the public record  
20 provides evidence that CGC is suffering a  
21 loss on its transactions with Sequent.  
22 AGL's U-9C-3 report for 12/31/03, footnote  
23 (b,) says Sequent "shares the profit with  
24 the Receiving Company in accordance with  
25 approval by appropriate state  
26 commissions." But a glimpse at the IMCR  
27 report shows several months where Sequent  
28 is "sharing" and imposing losses on CGC.  
29 AGL is implementing the SEC's "at cost"  
30 rules as if the PUHCA language were:

31  
32 " the net effect of all transactions on an annual basis  
33 shall be to the benefit of the receiving company "  
34

1 But the SEC's rules apply on a  
2 transaction-by-transaction. For example,  
3 CFR250.91(a) and (b) speak to "a  
4 transaction" and "particular  
5 transactions:"

6  
7 *"(a) Subject to the provisions of this section and of any*  
8 *other applicable rule, regulation, or order of the*  
9 *Commission, a transaction shall be deemed to be*  
10 *performed at not more than cost if .."*

11  
12 *"(b) Direct charges shall be made so far as costs can be*  
13 *identified and related to the particular transactions*  
14 *involved "*

15  
16 In accordance with the SEC's rules, I have  
17 removed the "idle" capacity transactions  
18 where CGC is assigned a loss and restated  
19 the table in attachment D page 1 of 14 of  
20 CGC's February 27, 2004 filing. The  
21 results are:  
22

Chattanooga Gas Company  
IMCR Credit Rider Sharing For Twelve Months Ended December 31, 2003  
Details Of Net Gross Profit Margin from Transactions with Non-jurisdictional Customers  
\*\*\*\*Adjusted by CAPD To Remove Transactions Where Losses Are Assigned to CGC

Month	Aggregate Net Margin	Annual Value Allocation	
		CGC Agent 50%	CGC Customer 50%
January 2003	3,191,999	1,595,999	1,595,999
February 2003	328,733	164,366	164,366
March 2003	0	0	0
April 2003	0	0	0
May 2003	642,467	321,233	321,233
June 2003	323,826	161,913	161,913
July 2003	0	0	0
August 2003	150,300	75,150	75,150
September 2003	0	0	0
October 2003	405,819	202,910	202,910
November 2003	0	0	0
December 2003	0	0	0
Adjustments			
InGround Transfer -01/03	0	0	
Total	5,043,144	2,521,570	2,521,570

By applying the SEC's rules to the IMCR, CGC's customers receive \$2.5 million instead of just \$1.2 million. However, even the additional \$1.3 million adjustment does not guarantee that CGC is better off with Sequent acting as an agent for CGC. If the direct costs assigned to CGC by Sequent exceed \$2.5 million, then the IMCR tariff creates a net loss for CGC. In this case Sequent's transactions provide no benefit for CGC and such transactions contradict Section 13(b) of PUHCA.

Q\_90. Was Sequent's "natural gas transmission and storage" service being provided to CGC in 2002?

A\_90. No. Sequent's "natural gas transmission and storage" service was not provided in 2002, as shown by SEC U-9C-3 report for the quarter ending 12/31/02 shown below.

ITEM 3 - ASSOCIATE TRANSACTIONS  
For the Quarter Ended December 31, 2002

Part I - Transactions Performed by Reporting Companies on Behalf of Associate Companies (in thousands)

Reporting Company Rendering Services	Associate Company Receiving Service (e)	Types of Services Rendered	Direct Costs Charged	Indirect Costs Charged	Cost of Capital	Total Amount Billed
Sequent	Atlanta Gas Light Company	Gas supply management services	\$86	--	--	\$86
Sequent	Virginia Natural Gas, Inc	Gas supply management services	\$109	--	--	\$109
Sequent	Chattanooga Gas Company	Gas supply management services	\$46	--	--	\$46

(a) All services are being provided at cost and are being billed (with the exception of certain direct billings) through AGL Services Company ("AGSC") As per Rules 80 and 81, energy purchases are not reported hereunder

Unlike AGL's U-9C-3 report for 12/31/03, AGL's U-9C-3 report for 12/31/02 does not have a footnote (b) nor is there confidential information to be redacted.

Q\_91. In your opinion, what is the financial effect of Sequent on the parent holding company in 2003 versus 2002?

A\_91.

In my opinion Sequent's gas transmission storage management service, a practice that began in 2003, has allowed the parent holding company to book approximately \$8.1 million of operating expense credits.

My opinion stems from my review the annual SEC form U-13-60 filed by AGL Services Company for annual billings to all of AGL Resources subsidiaries for years 2002 and 2003. Both documents are public and can be found in the SEC's on-line database. The U-13-60 provides a record of the billings between the parent and the subsidiary for 2002 and 2003, as shown below.

AGL Resources SEC Form U-13-60 Filed May 2003					AGL Resources SEC Form U-13-60 Filed May 4 2004				
For the Year Ended December 31 2002					For the Year Ended December 31 2003				
ANALYSIS OF BILLING					ANALYSIS OF BILLING				
ASSOCIATE COMPANIES					ASSOCIATE COMPANIES				
ACCOUNT 457					ACCOUNT 457				
NAME OF ASSOCIATE COMPANY	DIRECT COSTS 457-1	INDIRECT COSTS 457-2	COMPENSATION FOR 457-3	TOTAL AMOUNT /1	NAME OF ASSOCIATE COMPANY	DIRECT COSTS 457-1	INDIRECT COSTS 457-2	COMPENSATION FOR 457-3	TOTAL AMOUNT /1
AGL Resources Inc	860 089	336 380	0	1 196 449	AGL Resources Inc	4 657 610	-8,136,765		3,479 155
Atlanta Gas Light Company	65 727 080	39 437 252	1 490 702	106 655 034	Atlanta Gas Light Company	50 430 737	54 241 138	1 352 780	106 024 656
Chattanooga Gas Company	3 520 968	2 459 340	98 300	6 068 608	Chattanooga Gas Company	3 402 886	2 916 541	71 899	6 391 326
Virginia Natural Gas Inc	6 722 911	9 365 947	362 157	16 451 015	Virginia Natural Gas, Inc	4 450 523	13 050 512	299 055	17 800 090
Sequent Energy Management, LP- Corp	1 060 243	1 031 212	53 535	2 144 991	Sequent Energy Management, LP- Corp	3 109 861	2 097 161	103 959	5 310 981
AGL Capital Corporation	35 189	20 213	1 675	57 078	AGL Capital Corporation	93 683	20 462	1 930	116 075
AGL Capital Trust	22 630	112 125	11 289	146 024	AGL Capital Trust	20 218	91 814	8 561	120 593
AGL Capital Trust II	-	207 070	22 167	229 237	AGL Capital Trust II	1 400	167 776	16 971	186 146
AGL Energy Corporation	18 002	1 476	15	19 493	AGL Energy Corporation	14 070	250	19	14 338
AGL Investments Inc	692 346	49 366	1 432	743 144	AGL Investments Inc	107 889	35 404	1 680	144 973
AGL Networks LLC	870 371	353 340	13 943	1 237 655	AGL Networks, LLC	1 824 567	574 802	24 229	2 423 598
AGL Peaking Services, Inc	952	5 628	583	7 164	AGL Peaking Services, Inc	34	4 487	418	4 940
AGL Propane Services, Inc	77 149	63 729	4 724	145 602	AGL Propane Services Inc	292 680	44 375	3 532	340,587
AGL Rome Holdings Inc	547	1 596	151	2 294	AGL Rome Holdings, Inc	9	1 205	109	1 324
Customer Care Services Company	5 085	5 488	456	11 029	Customer Care Services Company	1 348	7 801	709	9 857
Georgia Natural Gas Company	199 539	91 081	8 544	299 164	Georgia Natural Gas Company	354 444	80 471	7 987	442 902
Global Energy Resources Insurance Corporation	-	1 269	141	1 410	Global Energy Resources Insurance Corporation	298	452	44	794
Southeastern LNG, Inc	53 016	3 015	321	56 351	Southeastern LNG Inc	42 937	3 422	357	46 717
Trustees Investment, Inc	48 128	27 484	1 319	76 928	Trustees Investment Inc	28 151	28 395	1 061	
Others- Not Shown					Others- Not Shown				
TOTAL	79,933,762	53 574,111	2,061,518	135,569,391	TOTAL	68,835,848	65,227,703	1,895 300	135,958,851

Negative Entry  
In 2003

1 In 2003 the parent company had a negative cost  
2 or credit of approximately \$8.1 million, shown  
3 in the parent company's indirect cost category.  
4 The costs billed to the subsidiaries barely  
5 changed from 2002 to 2003. In 2002 the total  
6 billings were \$135.6. In 2003 the billings were  
7 \$135.9 million, which is a net figure that  
8 reflects the negative cost of \$8.1 million  
9 credited to the parent. Sequent's billings and  
10 the parent company's billings are the only ones  
11 to change substantially from 2002 to 2003. The  
12 only corresponding change in economic activity  
13 from 2002 to 2003 is Sequent's management of  
14 the gas distribution subsidiaries' idle assets,  
15 an economic activity first introduced in 2003  
16 and documented in the U-9C-3 forms.

17  
18 **Q\_92. In your opinion is there such a thing as a**  
19 **"negative cost?"**

20  
21 **A\_92. In my opinion there is such a thing as a**  
22 **negative cost, because that is the way AGL**  
23 **Resources has reported its transactions.**

24  
25 **Q\_93. In your opinion is it appropriate for the**  
26 **parent company to retain those negative costs**  
27 **rather than distribute them to the**  
28 **subsidiaries?**

29  
30 **A\_93. No. In my opinion it is not appropriate for the**  
31 **parent company to retain those negative costs.**



Consider Mr. Morley's direct testimony at page 13 line 1: "AGSC's total operating expenses are charged back, at cost..." Therefore, entries in the SEC form U-13-60 represent operating expenses and credits to operating expenses, and are "above the line" transactions. What Mr. Morley, does not say in his testimony is that "at cost" can be negative, as clearly shown by the holding company's negative entry or credit of \$8.136 million in the U-13-60. Thus if "AGSC's total operating expenses are charged back, at cost..." as Mr. Morley says, the negative entry or credit of \$8.136 million in the parent company's indirect cost category should also flow to the subsidiaries.

It is also clear that CGC did not share any portion of the \$8.2 million credited to parent. The U-13-60 shows that AGL Services Company's total billing to CGC for 2003 was \$6.391 million and for 2002 the amount was \$6.068 million. These figures match the annual shared services figures in CGC's TRA form 303 for 2002 and 2003. Therefore, it is clear CGC has received no portion of the \$8.1 million negative cost held by the parent company.

**Q\_94. In your opinion, by what means has the parent company acquired the \$8.1 million negative credit in 2003?**

**A\_94. In my opinion, the parent company acquired the \$8.1 million negative credit in 2003 through Sequent's dual practice of sharing in the**

1 profits from its use of CGC's "idle" and  
2 "underutilized" assets while at the same time  
3 imposing additional direct charges on CGC for  
4 Sequent's use of CGC's "idle" assets.  
5

6 Q\_95. Do you know if there is any precedent for AGL's  
7 practice of holding negative costs at the  
8 parent level instead of redistributing those as  
9 credits to the subsidiaries operating expenses?  
10

11 A\_95. I do not know of any precedent for AGL's  
12 practice. Because KeySpan is one of the  
13 comparable companies, I reviewed all of  
14 KeySpan's SEC forms U-13-60 that were available  
15 on the SEC's website. The forms are public and  
16 available for 2001 through 2004. I also  
17 reviewed the U-13-60 forms for Consolidated  
18 Natural Gas (CNG) for 1997 through 1999, a time  
19 when Virginia Natural Gas was a subsidiary of  
20 CNG before AGL Resources purchased VNG.  
21 However, I found nothing suggesting that AGL  
22 Resources' practice has a precedent.  
23

24 In my confidential testimony I provide my  
25 opinion regarding the redacted amount of  
26 "direct costs" billed to CGC and whether that  
27 amount is low enough, in comparison to the \$2.5  
28 million adjusted profits allocated to CGC's  
29 customers, to meet the SEC's definition that  
30 Sequent's transactions provide benefit for CGC.

1 Also, in my opinion the \$2.5 million should be  
2 accounted for in this rate case as a reduction  
3 to CGC's costs. This procedure would recapture  
4 CGC's portion of the \$8.2 million of "negative  
5 costs" or operating expense credits permanently  
6 retained by the parent.

7  
8 Q\_96. In your opinion, has AGL Resources  
9 provided any testimony explaining how Mr.  
10 Morley's claim, that all of AGL's services  
11 are provided "at cost" accords with  
12 CFR250.91?

13  
14 A\_96. No. In my opinion, AGL Resources has  
15 provided no testimony explaining how Mr.  
16 Morley's testimony accords with CFR250.91.

17  
18  
19  
20 Q\_97. In your opinion as an economist, are  
21 transactions between Sequent and CGC  
22 exempt from Section 13 of the Act?

23  
24 A\_97. No. In my opinion as an economist the  
25 transactions are not exempt from Section  
26 13 of the Act.

27  
28  
29 Q\_98. What is the SEC rule regarding  
30 transactions that could be exempt from  
31 Section 13 of the Act?

1 A\_98.

The SEC's rules regarding exempt  
transactions appears in CFR250.80 and  
CFR250.81.

CFR250.80 says:

*"§ 250 80 Definitions of terms used in rules under  
section 13.*

*"As used in the rules and regulations under section 13 of  
the Act (49 Stat. 825; 15 U.S.C 79m), unless the context  
otherwise requires:*

*"(a) Service means any managerial, financial, legal,  
engineering, purchasing, marketing, auditing, statistical,  
advertising, publicity, tax, research, or any other service  
(including supervision or negotiation of construction or  
of sales), information or data, which is sold or furnished  
for a charge.*

*"(b) Goods means any goods, equipment (including  
machinery), materials, supplies, appliances, or similar  
property (including coal, oil, or steam, but not including  
electric energy, natural or manufactured gas, or utility  
assets) which is sold, leased, or furnished, for a charge.*

*"(c) Construction means any construction, extension,  
improvement, maintenance, or repair of the facilities or  
any part thereof of a company, which is performed for a  
charge "*

CFR250.81 says:

*§ 250 81 Exempted transactions*

1  
2           *"Unless otherwise expressly provided, the rules,*  
3           *regulations, and orders of the Commission pertaining to*  
4           *the performance of services or construction or the sale of*  
5           *goods shall not be applicable to the sale of water,*  
6           *telephone service, transportation, or a similar commodity*  
7           *or service, **the sale of which is normally subject to***  
8           ***public regulation,**[emphasis added By CAPD] or to the*  
9           *furnishing of services, construction, or goods, to a*  
10           *customer incidentally to such a sale; and such*  
11           *transactions shall be exempt from the provisions of*  
12           *section 13 of the Act (49 Stat 825; 15 U.S.C. 79m) and*  
13           *the rules and regulations there under. Provided, That,*  
14           *where any such transaction is with an associate company*  
15           *in its capacity as a consumer, comparable services,*  
16           *construction, or goods are offered to customers other*  
17           *than associate companies on terms which are*  
18           *comparable having due regard to any differences of*  
19           *quality or quantity "*

20  
21  
22   Q\_99.       **In your opinion, how is Sequent profiting**  
23               **from its transactions with CGC?**

24  
25   A\_99.       In my opinion Sequent is using CGC's  
26               natural gas transmission and storage  
27               capacity to serve buyers who are not  
28               within the regulatory jurisdiction of the  
29               TRA. These transactions are commonly  
30               called "nonjurisdictional sales."

31  
32   Q\_100.       **In your opinion, are Sequent's**  
33               **"nonjurisdictional sales" regulated by the**  
34               **TRA?**

1  
2 A\_100. In my opinion Sequent's "nonjurisdictional  
3 sales" are not regulated by the TRA.

4  
5 Q\_101. In your opinion are Sequent's  
6 nonjurisdictional sales "normally subject  
7 to public regulation" as the SEC requires  
8 for a sales transaction to be exempt from  
9 the SEC rules?

10  
11 A\_101. No. In my opinion Sequent's  
12 nonjurisdictional sales are not normally  
13 or actually "subject to public regulation"  
14 by the TRA.

15  
16 Therefore, Sequent's "idle" capacity  
17 transactions for CGC are not transactions  
18 exempt from the SEC's "at cost" rules.  
19 There is no "exemption" basis for AGL  
20 Resources to retain profits Sequent made  
21 on its use of CGC's assets. AGL Resources  
22 is obliged to redistribute at least a  
23 portion the \$8.136 million to CGC, where  
24 that portion is equal to the losses  
25 Sequent has imposed on of CGC's assets for  
26 nonjurisdictional sales. AGL Resources is  
27 obliged to redistribute not only the  
28 losses imposed in 2003 but in all years  
29 since AGL Resources became a registered  
30 holding company obliged to follow the  
31 SEC's rules.  
32

1 Q\_102. In your opinion does it make economic sense for  
2 Sequent to use CGC's "idle" or "underutilized"  
3 capacity to give CGC profits that CGC would not  
4 otherwise have?

5  
6 A\_102. Yes, provided the SEC's rules are applied to  
7 each transaction. Otherwise, in my opinion, it  
8 does not make economic sense because this is a  
9 case of "putting the cart before the horse."  
10 Allowing Sequent to profit from CGC's "idle" or  
11 "underutilized" capacity without applying the  
12 SEC's rules gives the holding company an  
13 incentive to create "idle" and "underutilized"  
14 capacity, thereby reserving more capacity than  
15 CGC needs in the first place. Applying the  
16 SEC's "at cost" rules to the Sequent-CGC "idle"  
17 capacity transactions eliminates the holding  
18 company's incentive to reserve excess capacity  
19 and profit from it. Thus the SEC's "at cost"  
20 rules are good economics: They cause the  
21 holding company's capacity planning to focus on  
22 CGC's customer load rather than blending CGC's  
23 customer load with all the side-deals aimed at  
24 improving the holding company's profit margin.

25  
26 Q\_103. What is your opinion of the  
27 representations AGL makes in the U-9C-3,  
28 footnotes (a) and (b)?  
29

1 A\_103. In my opinion the representations are  
2 contradictory and cast doubt on the  
3 accuracy of AGL Resources' financial  
4 reporting procedures. Footnote (a) says  
5 "all services are being provided at cost"  
6 while footnote (b) says Sequent "pays for  
7 costs incurred." But if "Sequent pays for  
8 costs incurred" then there is no reason  
9 for Sequent to bill direct charges to CGC.  
10 If Sequent were paying for "costs  
11 incurred", there would be zeroes, "0",  
12 entered in the cost-columns of the U-9C-3  
13 instead of the double-star image, "\*\*."  
14 The double-star image clearly means that  
15 there is a billing-flow (one that the  
16 holding company wants to keep  
17 confidential) between Sequent and the  
18 three natural gas distribution  
19 subsidiaries.

20  
21 AGL's contradictory language in footnotes  
22 (a) and (b), and AGL's arbitrary retention  
23 of \$8.136 million of operating expense  
24 credits at the parent are further reasons  
25 to doubt the accuracy of AGL Resources'  
26 financial reporting procedures with  
27 respect to the actual profitability of its  
28 regulated subsidiaries.

29  
30 **VII. Short-term Debt Cost**

31  
32  
33 Q\_104. In your opinion what is the cost of short-term  
34 debt?



1  
2 A\_104.

3 In my opinion in the cost of short-term debt is  
4 1.26%. The derivation of that figure is shown  
5 in two steps, as indicated in my Schedules 16  
6 and 17. In March 2001 AGL Resources filed with  
7 the SEC a form U-6B-2 which provides details  
8 for approximately 130 of AGL's commercial paper  
9 transactions from October 2000 through December  
10 2000. The U-6B-2 is the only source I have  
11 found in public records which provides detail  
12 on AGL Resources actual performance in the  
13 short-term debt market.

14 The data from the U-6B-2 form is in my Schedule  
15 16, which derives AGL's short-term interest  
16 rate actually achieved for each month. For the  
17 three-month period as a whole AGL Resources  
18 paid a rate of 7.08%. In Schedule 17, I  
19 compared AGL's historical performance to the  
20 Federal Reserve Board's (FRB) data on  
21 commercial paper transactions for the same  
22 historical period. For the three-month period  
23 of October 2000 through December 2000 AGL paid  
24 a rate of 7.08%, and the FRB's data shows that  
25 the average rate for 30, 60, and 90-day  
26 maturities was 6.47% in that same three-month  
27 period. This establishes that AGL paid a short-  
28 term rate approximately 10% higher than the  
29 FRB's data suggests.  
30

1 In Schedule 17 I applied the 10% ratio to the  
2 current FRB data for commercial paper rates for  
3 the 12 months of March 2003 through February  
4 2004. The average in that time period was  
5 1.156%. Therefore, the short-term cost to use  
6 in this case is 1.265%.

7  
8 Q\_105. What short-term debt cost does Mr. Morley use?

9  
10 A\_105. Mr. Morley uses a figure of 2.69%.

11  
12 Q\_106. Does Mr. Morley provide any record of  
13 commercial paper transactions to support his  
14 figure of 2.69%?

15  
16 A\_106. No. Mr. Morley does not provide any record of  
17 commercial paper transactions to support his  
18 figure of 2.69%. According to the company's  
19 response to CAPD discovery request no. 5:

20  
21 *"The 2.69% cost is not calculated using existing*  
22 *short-term notes or commercial paper"*

23  
24 Rather than use any history from AGL Resources  
25 extensive commercial paper program that began  
26 four years ago, or any current short-term debt  
27 cost, the company uses a "synthetic forward  
28 rate" based on the London Inter Bank Offering  
29 Ratebanking.

30  
31 Q\_107. Do the transactions you refer to in the U-6B-2  
32 form indicate if the interest was prepaid?  
33

1 A\_107. Yes. the transactions in the U-6B-2 form  
2 indicate the interest was prepaid.

3  
4 Q\_108. Should the figures of 7.08% and 1.156% which  
5 you calculated be raised slightly to reflect  
6 the prepayment of interest?

7  
8 A\_108. No. Those figures should not be raised. The  
9 workpapers provide by the firm of Work & Greer,  
10 which document the working capital analysis for  
11 CGC, indicate the calculation of working  
12 capital already includes the effect of prepaid  
13 interest. If the prepayment were also reflected  
14 in the short-term debt the effect would be to  
15 double count the prepayments.

16  
17  
18 **VIII. Preferred Stock Ratio In the**  
19 **Capital Structure and Preferred**  
20 **Stock Cost.**

21  
22  
23 Q\_109. In this rate case is preferred stock being  
24 treated by AGL Resources as equity?

25  
26 A\_109. No. Preferred stock is not being treated as  
27 equity. Preferred stock is being treated as  
28 debt, meaning that the payment of preferred  
29 dividends are treated as if it were an interest  
30 expense.  
31

1 Q\_110. In your opinion what preferred stock ratio  
2 should be should be used in the capital  
3 structure?

4  
5 A\_110. In my opinion the ratio of 0.0% should be used.  
6

7 Q\_111. Why do you have that opinion?  
8

9 A\_111. I have that opinion for three reasons.  
10 Preferred stock is a financing tool rarely used  
11 by comparable companies. The comparable  
12 companies as a whole have just a 0.6% preferred  
13 ratio; AGL's rates on the preferred stock are  
14 high enough to appear unreasonable; and, in  
15 Virginia AGL Resources has not applied any  
16 preferred stock to the capitalization of its  
17 subsidiary Virginia Natural Gas  
18

19 My Schedule 18, pages 1 and 2, shows VNG's  
20 capital structure which includes the effects of  
21 AGL Resources recapitalization of that  
22 subsidiary in the VSCC's cases PUE-2002-00515  
23 and PUE-2003-00548.  
24

25 There is no preferred stock in the proforma  
26 capital structures of June 2002 and June 2003,  
27 even though AGL Resources had the option of  
28 applying preferred stock to VNG's capital  
29 structure, as indicated in AGL Resources'  
30 application and in my Schedule 18. Thus, there  
31 is no good reason for Chattanooga's ratepayers  
32 to shoulder the burden of what appears to be  
33 very expensive capital stock and arbitrarily  
34 assigned to CGC.

1  
2 For example, according to AGL Resources' SEC  
3 form 424B1 filed on May 15, 2001, the company  
4 issued 6 million shares at 8% at an offering  
5 price of \$25 per share. According to that  
6 document the underwriters' fees were \$4.725  
7 million. In addition, AGL Resources wrote:

8  
9 *"We intend that the net proceeds from the sale of the*  
10 *Trust Preferred Securities (estimated to be \$144,733,700*  
11 *after payment of fees and expenses in the offering) . "*  
12

13 In other words, AGL Resources paid \$154.75  
14 million to garner \$145 to \$146 million, or  
15 about 6 to 7 cents on the dollar.

16  
17 Q\_112. Has AGL Resources provided any evidence in this  
18 case supporting the reasonableness of those  
19 costs?  
20

21 A\_112. No. AGL Resources has not provided any such  
22 evidence.  
23

24 Q\_113. Has the Tennessee Regulatory Authority ever  
25 approved any preferred stock or preferred  
26 security issues of AGL Resources or CGC?  
27

28 A\_113. No. The Tennessee Regulatory Authority has not  
29 approved any such issues.  
30

31 Q\_114. Did CGC have preferred stock in its last rate  
32 case before the TRA?  
33

1 A\_114. Yes. CGC had preferred stock in its last rate  
2 case before the TRA.

3  
4 Q\_115. If preferred stock was in the last case, then  
5 how is the current case different?

6  
7 A\_115. The current case is different for a few  
8 reasons. All the preferred stock that was in  
9 the last case has been retired and replaced by  
10 two higher-cost preferred issues, one at \$75  
11 million for 8.17% issued in 1997 and a \$150  
12 million issue for 8% issued in 2001. AGL  
13 Resources was not a registered holding company  
14 in the last case. Then CGC operated as direct  
15 subsidiary of Atlanta Gas Light and any  
16 preferred cost assigned CGC had to pass through  
17 Atlanta Gas Light first. Now CGC is a direct  
18 subsidiary of the parent, which assigns  
19 preferred cost on a discretionary basis. As I  
20 have pointed out, AGL Resources has chosen not  
21 to allocate preferred stock to VNG, despite  
22 going through two different applications in  
23 Virginia.

24  
25 Q\_116. If the parent's costs are the basis for setting  
26 a subsidiary's rates, then isn't it true that  
27 the absence of preferred stock in VNG's capital  
28 structure is not related to CGC's capital  
29 structure?

30  
31 A\_116. No, it is not true. There is relationship  
32 between the capital structures of VGC and CGC:  
33 to the extent that one subsidiary's rates  
34 incorporate preferred stock while the other's

1 does not, the parent's actual cost of preferred  
2 are borne by one subsidiary but not the other.  
3 This is example of the parent shifting costs  
4 between its subsidiaries, except in this  
5 instance the cost is not shifted by the holding  
6 company recording an amount in an accounting  
7 ledger. Instead, the holding company shifts the  
8 cost by including it in the company's proposed  
9 capital cost in this regulatory proceeding.

10  
11 In addition, AGL Resources application of  
12 preferred stock to one subsidiary but not  
13 another emphasizes the arbitrary nature of the  
14 capital structure created by the parent for  
15 this rate case. Also, AGL Resources has already  
16 been before the VSCC for two financing cases  
17 where no preferred stock is allocated to VNG,  
18 thus AGL Resources is not likely to reverse its  
19 policy and present a VNG-rate-case in the  
20 future where preferred stock is suddenly a part  
21 of VNG's capital structure. Thus CGC has been  
22 singled out to bear the burden of preferred  
23 stock.

24  
25 **Q\_117. Isn't your setting of the preferred stock ratio**  
26 **to zero percent arbitrary?**

27  
28 **A\_117.** No, it is not arbitrary. I have already pointed  
29 out that preferred stock is rarely used by the  
30 comparable companies and that its cost is high  
31 enough to appear unreasonable. In addition,  
32 setting the preferred ratio to zero produces a  
33 reasonable result.

1 For example, my Schedule 9 shows AGL Resources  
2 expects its total debt cost to be 5.5% in 2004.  
3 This figure balances back to a weighted cost of  
4 debt in my capital structure, where the total  
5 debt ratio is 57.5%, which is the sum of 44.6%  
6 (the long-term debt ratio) and 12.9% (the  
7 short-term ratio). With regard to debt, 77.56%  
8 is long-term debt valued at a cost 6.74% and  
9 22.44% is short-term valued at 1.265%. The  
10 weighted average of these numbers -- .0674  
11 multiplied by .7756, plus .2244 multiplied by  
12 .01256 -- is 5.51%, which is AGL's Resources  
13 expected total debt cost in 2004 shown in my  
14 Schedule 9.

15  
16 A preferred ratio of zero is reasonable because  
17 it brings CGC's total debt cost to the same  
18 total debt cost of the parent, which is the  
19 principle of double leverage. For the same  
20 reasons my calculation of 1.256% cost for  
21 short-term debt is reasonable, because it  
22 brings CGC's total debt cost to same total debt  
23 cost as the parent. Therefore, the commercial  
24 paper rates shown in the company's response to  
25 the TRA staff request, "TRA Econ #1, Data  
26 Request No. 8," are a basis for the short-term  
27 rate in this case only if they conform to the  
28 parent's total debt cost of 5.5% in 2004.

29  
30 **Q\_118. What cost of total debt has Mr. Morley**  
31 **testified to?**

32  
33 **A\_118. Mr. Morley has testified to a total debt cost**  
34 **of 6.65%, an amount that can be derived quickly**



1 from his exhibit MJM-4 Schedule 1: take the  
2 weighted average cost of total debt, 3.56%, and  
3 divide by the total debt ratio of 53.1%, the  
4 result is 6.65%. But according to my Schedule  
5 9, AGL had an actual total cost of debt of  
6 6.09% in 2002. Thus Mr. Morley's total debt  
7 cost of 6.65% has not been experienced by AGL  
8 Resources since 2001, when it had a total debt  
9 cost of 6.89%. Therefore, CGC's proposed total  
10 debt cost has a built-in "spread", just as the  
11 short-term debt cost has a built-in "spread,"  
12 which Mr. Morley indicated in testimony page 18  
13 line 21.

#### 14 15 **IX. Long-term Debt Cost**

16  
17  
18 **Q\_119.** In your opinion what is the cost to apply to  
19 the long-term debt in this case?

20  
21 **A\_119.** I accept Mr. Morley's estimate of 6.74% as the  
22 cost for long-term debt in this case. That is  
23 the cost to apply in this case to my debt ratio  
24 of 44.6%.

#### 25 26 27 **X. Cost of Equity**

28  
29  
30 **Q\_120.** What is Dr. Morin's opinion on the equity  
31 return that should be granted in this case?  
32

1 A\_120. Dr. Morin's opinion is that an equity return of  
2 11.25% be granted in this case.

3  
4 Q\_121. How many different cost-of-equity methods does  
5 Dr. Morin employ to reach his opinion?

6  
7 A\_121. Dr. Morin employs four cost-of-equity methods.  
8 In his order of presentation those methods are  
9 - the Capital Asset pricing Model (CAPM), the  
10 Historical Risk Premium (HRP), the Allowed Risk  
11 Premium (ARM), and Discounted Cash Flow (DCF).

12  
13 Q\_122. In your opinion, are all of these methods a  
14 standard way to arrive at the cost of equity?

15  
16 A\_122. No. In my opinion two of his methods, the ARP  
17 and HRP are not standard.

18  
19 Dr. Morin's ARP relies on the rate-of-return  
20 decisions by several state commissions since  
21 1994. In his testimony at page 30, lines 20-22,  
22 Dr. Morin describes the allowed premium: "I  
23 also examined the historical...returns on  
24 equity allowed by regulatory commissions over  
25 the last decade...[and] found the average ROE  
26 spread over long-term Treasury yields was 5.1%  
27 for...1994-2003."

1 Dr. Morin has brought the results of those  
2 several unnamed rate cases into this particular  
3 rate case for CGC and its parent, AGL  
4 Resources, but he has not brought any  
5 underlying facts from those cases into this  
6 particular rate case. Nor has he made available  
7 the orders from those cases, nor has he  
8 identified the companies in those cases, nor  
9 has he identified the dockets so the orders  
10 could be acquired from public records. Dr.  
11 Morin does not testify that the companies in  
12 those cases are comparable companies.  
13 Therefore, my opinion is to disregard Dr.  
14 Morin's ARM as a valid method to arrive at the  
15 cost-of-equity in this case.

16  
17 Dr. Morin's HRP is not standard. His HRP is  
18 impossible to crosscheck and verify because it  
19 is not based on the comparable natural gas  
20 distribution companies which Dr. Morin  
21 identifies in his schedules RAM-2 and RAM-9.  
22 The HRP model is based on a natural gas company  
23 index with unknown members for the past 50  
24 years. The HRP model is a contrast to Dr.  
25 Morin's CAPM and DCF models, where each  
26 specifically uses comparable-company data that  
27 can be verified through alternative data  
28 sources.

29  
30 Therefore, my opinion is to disregard Dr.  
31 Morin's HRM model as a valid way to determine  
32 the cost-of-equity in this case.  
33

1 Q\_123. What reasons does Dr. Morin offer to support  
2 his opinion that 11.25% is the cost-of-equity  
3 in this case?

4  
5 A\_123. Dr. Morin offers several reasons for his  
6 opinion, all of which center on two ideas --  
7 investors must be compensated for the risk they  
8 are taking and the investor's risk is measured  
9 by reference to the cost of long-term debt  
10 which has to be less than the cost of equity.

11  
12 In his testimony at page 9 line 26, Dr. Morin  
13 quotes the U.S. Supreme Court's Permian  
14 decision with regard to risk:

15  
16 " [the] regulatory agency's rate of return order should  
17 ' fairly compensate investors for the risks they have  
18 assumed...' "

19  
20 Dr. Morin then develops a risk measure that  
21 depends on long-term debt cost. Each of his  
22 four cost-of-equity methods the CAPM, HRP, ARP  
23 and DCF is dependent on long-term debt cost as  
24 the measure of risk.

25  
26 Consider his testimony regarding his CAPM  
27 analysis, which is the first analysis he  
28 presents.

29  
30 At page 21 lines 4-5:

31  
32 "Long-term rates are the relevant benchmarks when  
33 determining the cost of common equity rather than short-  
34 term or intermediate-term interest rates."

1  
2 At page 22 line 3:

3  
4 *"Since common stock is a very long-term investment "*

5  
6 At page 25 lines 9-10:

7  
8 *"Only over long time periods will investor return*  
9 *expectations and realizations converge."*

10  
11 His reliance on long-term debt cost is woven  
12 into his other methods.

13  
14 Regarding the HRP he testifies at page 29 lines  
15 13-15:

16  
17 *"The average risk premium over the period was 5.7%*  
18 *over long-term Treasury bonds."*

19  
20 Regarding the ARP he testifies page 30 lines  
21 20-22:

22  
23 *"To estimate the Company's cost of common equity, I*  
24 *also examined the historical risk premiums implied in the*  
25 *returns on equity ("ROE") allowed by regulatory*  
26 *commissions over the last decade relative to the*  
27 *contemporaneous level of the long-term Treasury bond*  
28 *yield."*

29  
30 Regarding his DCF analysis, Dr. Morin  
31 eliminates any result where the equity return  
32 is less than long-term debt. At page 39 lines  
33 19-21 he testifies:

1                   *"If the three companies whose ROE estimate is less than*  
2                   *these companies' cost of long-term debt [then these*  
3                   *companies] . are eliminated from the computation of*  
4                   *ROE."*

5  
6                   Clearly, in Dr. Morin's analysis the debt  
7                   investor is the horse and the equity investor  
8                   is the rider.

9  
10       Q\_124.       In your opinion are equity investors making  
11                   investments in AGL Resources and the comparable  
12                   companies where the investment's duration  
13                   approximates the duration of a long-term  
14                   investment?

15  
16       A\_124.       No. In my opinion equity investors are not  
17                   making investments in AGL Resources and the  
18                   comparable companies where the investment's  
19                   duration approximates the duration of a long-  
20                   term debt investment.

21  
22       Q\_125.       What is the basis of your opinion?

23  
24       A\_125.       My opinion is based on the turnover rates of  
25                   stock ownership for AGL Resources and for each  
26                   comparable company.

27  
28                   I gathered daily trading history for each stock  
29                   going back several years.

30  
31                   For example, Yahoo's web site on internet,  
32                   <http://chart.yahoo.com/d>, has historical  
33                   trading data, as does America Online.

1 My Schedule 19 shows my analysis. At page 1 of  
2 Schedule 19, AGL is shown to have 63.7 million  
3 shares outstanding according to its most recent  
4 SEC Form 10-K. In my analysis I assumed there  
5 would be little difference in stock outstanding  
6 on March 26, 2004 and the amount provided in  
7 the 10-K. At page 2 of Schedule 19, for  
8 example, 182,000 shares of AGL Resources were  
9 traded on March 23, 2004. I added up the shares  
10 traded, starting from March 26, to March 25 and  
11 so on, until I reached a date where the total  
12 number of shares traded was equal to or greater  
13 than the number of shares outstanding. That  
14 date is shown on page 1, in the column titled  
15 "100% TurnOver Since."

16  
17 For AGL Resources, 100 percent of the shares  
18 turn over within about one year. The other  
19 companies have slower turnover rates but the  
20 slowest rate is three years.

21  
22 **Q\_126. Do these results reflect the behavior of any**  
23 **single individual or institutional investor?**

24  
25 **A\_126.** No. These results do not reflect the behavior  
26 of any single individual or institutional  
27 investor. The results reflect the behavior of  
28 all investors as a whole.

29  
30 **Q\_127. In your opinion, do these results confirm Dr.**  
31 **Morin's opinion that "common stock is a very**  
32 **long-term investment?"**

1   A\_127.       No. In my opinion these results contradict his  
2                   opinion, and reveal the economic contradictions  
3                   in his testimony.

4  
5               For example, Dr. Morin quotes the U.S. Supreme  
6               Court's Permian decision to suggest that the  
7               TRA's order for this case should "fairly  
8               compensate investors for the risks they have  
9               assumed..." but at the same time he dismisses  
10              equity investors' holding period as irrelevant:

11  
12                   *"The expected common stock return is based on very*  
13                   *long-term cash flows, regardless of an individual's*  
14                   *holding time period. [Morin page 22 line 3]"*

15  
16              By Dr. Morin's methods, an investor who holds  
17              AGL Resources stock for one year is taking a  
18              risk that merits a return of 11.25%, more than  
19              twice the rate for a debt investor who commits  
20              for thirty years at 5.3%.

21  
22              This is an unreasonable position, and Dr. Morin  
23              reached it through his widely different  
24              treatment of the duration of investment for  
25              equity and debt holders. According to Dr.  
26              Morin's testimony debt investors have an  
27              "investment planning period" [Morin page 22,  
28              line 15] and equity investors have the  
29              "investor's planning horizon" [Morin page 21,  
30              lines 14-15].

31  
32              According to Dr. Morin the debt holder takes a  
33              very long view of the market. At page 21 line 3  
34              and page 22 line 10 Dr. Morin testifies:



1  
2                   *"As a proxy for the risk-free rate, I have relied on the*  
3                   *actual yields on thirty-year Treasury bonds . "*

4  
5                   *"While long-term Treasury bonds are potentially*  
6                   *subjected to interest rate risk, this is only true if the*  
7                   *bonds are sold prior to maturity A substantial fraction of*  
8                   *bond market participants, usually institutional investors*  
9                   *with long-term liabilities (pension funds, insurance*  
10                   *companies), in fact hold bonds until they mature, and*  
11                   *therefore are not subject to interest rate risk "*

12  
13                   But Dr. Morin's analysis does not hold equity  
14                   investors to a thirty-year planning horizon.  
15                   Instead, Dr. Morin's analysis gives equity  
16                   investors plenty of leeway for their  
17                   "investment horizon" testifying only that:

18  
19                   *"yields on 90-day Treasury Bills typically do not match*  
20                   *the equity investor's planning horizon. Equity investors*  
21                   *generally have an investment horizon far in excess of 90*  
22                   *days [Morin page 21, lines 14-15] "*

23  
24                   Thus Dr. Morin's analysis rests on an economic  
25                   contradiction. Debt holders stay put for 30  
26                   years, and equity holders stay put for at least  
27                   90 days.

1 Dr. Morin's recommended rate of 11.25% is a  
2 composite of all 4 cost-of-equity methods he  
3 employs, but his disparate treatment of debt  
4 and equity investment is an unreasonable  
5 position, not only in view of AGL Resources  
6 5.5% total debt cost, but also in light of the  
7 prevailing equity returns in the American  
8 economy.

9  
10 Q\_128. What is the prevailing equity return in  
11 the market?

12  
13 A\_128. My Schedule 20 displays the prevailing  
14 return on equity in our economy. The  
15 schedule shows a range of equity returns  
16 for approximately 5600 companies for the  
17 twelve months ending March 2004. The  
18 information is compiled by MorningStar, a  
19 data base firm that maintains a data base  
20 on stocks, mutual funds and tracks their  
21 performance. MorningStar is a subscriber  
22 service and the information can be  
23 accessed through the internet.

24  
25 One-half of the stocks achieved equity  
26 returns of less than 7%. Less than one-  
27 third achieved returns higher than 11  
28 percent, which is the company's requested  
29 return.

**XI. DCF Analysis**

Q\_129. What is your opinion of Dr. Morin's DCF analysis shown in his exhibits RAM-6 and RAM-7?

A\_129. In my opinion his DCF analyses are flawed in three ways. They includes companies that I do not consider as part of the analysis, -UGI and Energen which I exclude because in my opinion they are not comparable - and AGL Resources itself which a 100% owner of CGC. Dr. Morin's DCF analysis includes unreasonable dividend growth rates from Value Line. The analysis includes a compounding method explicitly rejected by the TRA when I proposed that method in 1997. I also note for the record that Dr. Morin's DCF analysis excludes Amerigas and Southern Union without any explanation even though he includes them in his exhibits RAM-2 and RAM-9.

Q\_130. Have you performed a DCF analysis?

A\_130. Yes. I have performed a DCF analysis, and it consists of correcting the flaws in Dr. Morin's DCF model.

Q\_131. What steps did you take to correct the flaws?

1  
2 A\_131. The steps I took were: 1) eliminating AGL  
3 Resources, Energen, and UGI from the  
4 companies listed in exhibits RAM-5 and  
5 RAM-6; 2)not accepting Value Line's  
6 projected growth rates employed by Dr.  
7 Morin in exhibit RAM-6; 3) relying in part  
8 on the projected growth rates by Zack's in  
9 exhibit RAM-5; 4) supplementing Zack's  
10 growth rates with additional growth rates  
11 from Yahoo; 5)averaging all the growth  
12 rates; 6) averaging the current dividend  
13 yields from Value Line and MorningStar;  
14 7)not accepting the "expected dividend  
15 yield" shown in column (4) of exhibits  
16 RAM-5 and RAM-6. I calculated a DCF equity  
17 return of 9.28%, which is the sum of a  
18 dividend yield of 4.6% and a growth rate  
19 of 4.68%.

20  
21  
22 Schedule 21 displays a comparison of my  
23 comparable companies' current dividend  
24 yields from two sources, MorningStar's  
25 database and Value Line's. There is little  
26 difference between the current dividend  
27 yields, regardless of the source.  
28

1 Once the current dividend yields were  
2 established as reasonable, the next  
3 consideration was an assessment of Dr.  
4 Morin's dividend growth rates, which are  
5 actually Value Line's projected earnings  
6 rates which Dr. Morin uses as a surrogate  
7 or proxy for dividend growth rates.

8  
9 In the 1997 rate case involving AGL  
10 Resources I accepted Value Line's growth  
11 projection. However, AGL's actual  
12 performance never came close to that  
13 projection. That experience, combined with  
14 my review of the comparable companies'  
15 dividend history, persuades me that Value  
16 Line's projections are not credible.

17  
18 Schedule 22, pages 1-10, displays a  
19 history of dividend growth for all the  
20 comparable companies. Regarding AGL  
21 Resources' earnings and dividends,  
22 Schedule 23 page 1 displays Value Line's  
23 forecasts from 40 different publication  
24 dates ranging from January 1994 to  
25 December 2003. Those 40 different issues  
26 are not provided as schedules in my  
27 testimony but they are attached in the  
28 appendix.  
29

1 Schedules 22 and 23 taken together prove  
2 that most of Value Line's projected growth  
3 rates are unprecedented: Atmos - 9%  
4 projected growth versus actual growth of  
5 2% - 3% over 5 years; KeySpan - 7.5%  
6 projected growth versus no growth; LaClede  
7 - 5.5% projected growth versus no growth;  
8 New Jersey - 8.5% projected growth versus  
9 actual growth of 2%-3% over 5 years;  
10 Northwest - 5% projected growth versus  
11 actual growth of 1% - 2% over 5 years;  
12 Peoples - 4% projected growth versus  
13 actual growth of 2% over 5 years; Piedmont  
14 - 7.5% projected growth versus actual  
15 growth of 5.7% over 5 years; Southwest -  
16 9.5% projected growth versus no growth  
17 over at least 5 years; WGL - 7% projected  
18 growth versus actual growth of 2% over 5  
19 years. The only projection that is not  
20 without precedent is Nicor's - 3%  
21 projected versus actual growth of 4% - 6%  
22 over five years.

23  
24 Therefore, my opinion is that Value Line's  
25 projections are not credible. Further  
26 substantiation is provided in my Schedule  
27 23 page 2. It displays my analysis of the  
28 accuracy of Value Line's forecast  
29 regarding AGL Resources. Value Line has  
30 always over-forecasted AGL Resources'  
31 dividends. Four out of five times Value  
32 Line has over-forecasted AGL Resources'  
33 earnings.

1 Most of the companies have an actual  
2 dividend growth performance not unlike AGL  
3 Resources, where long periods of no or  
4 little growth punctuated by an occasional  
5 increase.

6  
7 For example, after several years of  
8 keeping its dividend at a fixed amount,  
9 AGL has raised its annual dividend by 4%  
10 two years in a row:

11  
12 "04-28-04 01 49 PM EST | ATLANTA --(BUSINESS  
13 WIRE)--The Board of Directors of AGL Resources  
14 (NYSE: ATG) today approved a 4 percent increase in the  
15 AGL Resources common stock dividend The increase  
16 raises the quarterly dividend to \$0.29 per share, for an  
17 indicated annual dividend of \$1.16 per share. It also  
18 marks the second annual dividend increase, following a 4  
19 percent increase in April 2003. "

20  
21 At the same time of its press release, AGL  
22 Resources' current dividend yield was  
23 3.92%, or about .7% below the average  
24 yield of 4.6% for the comparable  
25 companies. If the DCF method were applied  
26 directly to AGL Resources alone as of May  
27 1, 2004, the company's investors would  
28 have an equity return equal to the sum of  
29 dividend yield and dividend growth, or  
30 7.92%, which is the sum 3.92% and 4%.

1 AGL Resources most recent growth is much  
2 more like the ZACK's growth rate in Dr.  
3 Morin's exhibit RAM-5, once AGL Resources,  
4 UGI and Energen are removed from the list.  
5 But even ZACK's figures are above the  
6 actual performance of the comparable  
7 companies.

8  
9 I compared Zack's growth rates to 5-year  
10 growth rates published by Yahoo. The  
11 results are displayed in Schedule 24,  
12 where I averaged the growth rates from the  
13 two different sources.

14  
15 Q\_132. In your opinion, what is the appropriate  
16 equity return based on the DCF analysis?

17  
18 A\_132. In my opinion the appropriate equity  
19 return based on the DCF analysis is 9.28%,  
20 which is the sum of the 4.68% growth rate  
21 in my Schedule 24 and the current dividend  
22 yield of 4.6% in my Schedule 21.

23  
24 Q\_133. Does your DCF equity return of 9.28% include  
25 the effect of the company compounding its rate  
26 of return?

27  
28 A\_133. No. My DCF equity return of 9.28% does not  
29 include the effect of compounding.  
30



1 For example, in TRA Docket 97-00982 I testified  
2 that compounding a gives a company the  
3 opportunity to earn about one-half percent more  
4 on its return than what is granted. In this  
5 instance a DCF return of 9.28% when compounded  
6 throughout a year gives AGL Resources an  
7 opportunity to earn about 9.75%. In the last  
8 docket the TRA found: "The Directors rejected  
9 Dr. Brown's compounding theory that formed the  
10 basis of his 10.55% cost of equity [TRA Docket  
11 97-00982 , final order, page 50]." However, Dr.  
12 Morin's DCF analysis builds in compounding.

13  
14 For example, in his exhibit RAM-5 he compounds  
15 (multiplies) the current dividend yield in  
16 column (2) by the growth rate in column (3),  
17 and the result is a compounded dividend yield  
18 in column (4). Thus his DCF cost of equity is  
19 9.7% in column (5) instead of 9.5% in column  
20 (4). In effect, Dr. Morin has applied  
21 compounding to augment his DCF return by about  
22 one-quarter of a point. To the extent that the  
23 TRA has previously rejected compounding as a  
24 method to augment returns, Dr. Morin's  
25 compounding is inconsistent with the TRA's  
26 order in Docket 97-00982.

27  
28 Q\_134. In Dr. Morin's exhibit RAM-5, is 9.7% the DCF  
29 return the return on equity?

30  
31 A\_134. No. In Dr. Morin's exhibit RAM-5, 9.7% is not  
32 the DCF equity return. Dr. Morin identifies an  
33 equity return of 9.9%, shown in column (6) of  
34 his exhibit RAM-5.

The difference between 9.9% and 9.7% is his so-called "flotation adjustment," which is his effort to recoup the market's discounting of AGL Resources' stock-offerings, whether in the past or the future. Dr. Morin explains his "flotation adjustment" in his testimony at page 40 lines 7-17 and page 41 lines 6-7:

*"The simple fact of the matter is that common equity capital is not free. Flotation costs associated with stock issues are exactly like the flotation costs associated with bonds and preferred stocks. Flotation costs are incurred, they are not expensed at the time of issue, and therefore must be recovered via a rate of return adjustment. This is done routinely for bond and preferred stock issues by most regulatory commissions, including FERC and the TRA. Clearly, the common equity capital accumulated by the Company is not cost-free . . . it is unreasonable to ignore the need for such an adjustment. Flotation costs are very similar to the closing costs on a home mortgage. In the case of issues of new equity, flotation costs represent the discounts that must be provided to place the new securities.. . it is necessary to apply an allowance of 5% to the dividend yield component of equity cost "*

**Q\_135. In your opinion is it appropriate to include so-called "flotation costs" in the equity cost?**

**A\_135. No, in my opinion it is inappropriate, as revealed by what Dr. Morin does not say and by the contradictions in Dr. Morin's argument.**

1 Dr. Morin does not mention that AGL Resources'  
2 stock is trading well above its book value, and  
3 that AGL has already reaped a premium from any  
4 stock issue where the stock's issue value  
5 exceeds the book value. Dr. Morin's "flotation  
6 cost" is just one more premium added to that  
7 premium the stockholders have already paid, but  
8 he wants the ratepayers to pay for that  
9 additional premium.

10  
11 Dr. Morin's "flotation adjustment" is a method  
12 where ratepayers are in effect compensating the  
13 company for the market's judgment. Continuing  
14 with this example, suppose AGL Resources makes  
15 a stock offering at \$25 a share and the public  
16 bids only \$24, thus the company gets only 96%,  
17 or 5% less than what it wanted. According to  
18 Dr. Morin, the ratepayers are liable for the  
19 difference. Thus he seeks to negate the demand-  
20 supply relationship for capital costs which he  
21 invokes in his testimony at page 5, lines 10-  
22 11:

23  
24 *"Two fundamental economic principles underlie the*  
25 *appraisal of the Company's cost of equity. one relating*  
26 *to the supply side of capital markets, the other to the*  
27 *demand side "*  
28

1 According to Dr. Morin, what the market takes  
2 away, the regulatory agency should give back.  
3 But his logic has been rejected once before in  
4 Tennessee. In TPSC Dockets U-83-7226 and U-85-  
5 7338, the Tennessee Public Service Commission  
6 explicitly rejected Dr. Morin's proposal to  
7 raise the equity cost to include so-called  
8 "flotation cost."

9  
10 Of course, common equity is not free, as  
11 everyone acknowledges, but Dr. Morin has leapt  
12 from that premise to one that is  
13 unsubstantiated when he testifies that  
14 "flotation costs ... are not expensed at the  
15 time of issue... it is unreasonable to ignore  
16 the need for such an adjustment." But this begs  
17 the question: if a flotation cost is a  
18 reasonable expense, why doesn't the company  
19 book the "flotation cost" as an expense in the  
20 first place? To paraphrase Dr. Morin's  
21 argument, the floatation cost is so dubious  
22 that the company will not book the expense, but  
23 it will base ratepayers' prices on that dubious  
24 expense if it is represented as a capital cost.  
25 However, this is an argument that has been  
26 rejected before in Tennessee.

27  
28  
29 Q\_136. What is Dr. Morin's DCF return after removing  
30 UGI, Energen, and AGL Resources from the  
31 companies listed in RAM-5, and after removing  
32 the effects of the flotation cost, the  
33 compounding, and Value Line's growth  
34 projections on his estimate?

1  
2 **A\_136.** After removing the noncomparable companies and  
3 effects of the flotation cost, the compounding,  
4 and Value Line's growth projections on Dr.  
5 Morin's DCF return, it falls to 9.5%, which is  
6 also the sum of 4.2 percent and 5.3%, which he  
7 displays in columns (2) and (3) of his exhibit  
8 RAM-5.

9  
10 **Q\_137.** How does Dr. Morin's DCF return compare to your  
11 DCF return 9.28 percent?

12  
13 **A\_137.** There is less difference between them, once Dr.  
14 Morin's improper adjustments are removed. Once  
15 they are his DCF return is 9.5%.

16  
17 **Q\_138.** In your opinion, what does the similarity  
18 between your return and Dr. Morin's return  
19 imply about the DCF model?

20  
21 **A\_138.** In my opinion the similarity suggests that the  
22 DCF is a sound model, not easily construed to  
23 give results far from the mainstream. The DCF  
24 model's inputs are simple and available from  
25 many different sources. For example, I was able  
26 to confirm Value Line's current dividend yields  
27 by reference to the MorningStar database. I was  
28 able to temper Zack's growth forecasts with  
29 those from Yahoo. In my opinion the public  
30 availability of the inputs and the ease with  
31 which they can be applied explain why the model  
32 appears in every rate case and in every  
33 jurisdiction, despite Dr. Morin's testimony at  
34 page 18 line 22 that "Caution must also be

exercised when implementing the standard  
[emphasis added by CPAD] DCF model."

However, Dr. Morin did not implement the standard DCF model, but reached out to the Value Line growth projections to derive a DCF return that would not be derived from a standard model. Furthermore, despite his DCF warning, he pays no heed to Value line's own warning about its data:

*"Factual material is obtained from sources believed to be reliable and is provided without warranties of any kind. THE PUBLISHER IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS HEREIN [sic] "*

Not only does Dr. Morin's DCF analysis heavily rely on Value Line's growth forecasts, he provides no means to evaluate those projections. I was able to disregard those projections only by comparing them to dividend histories from the SEC forms and by comparing AGL Resources actual performance to Value Line's past forecasts, items not generally available in public records.

Thus to the extent Value Line's projection are the basis of Dr. Morin's DCF analysis, it suffers from the same lack of verification that prevents his Historical and Allowed Risk premium models from being credible, in my opinion.

1 To a large extent, the same problems pervade  
2 his CAPM analysis.

3  
4  
5 **XII. CAPM Analysis Of Equity Return**

6  
7  
8 Q\_139. Beside the Discounted Cash Flow, what  
9 other method do you employ to reach a  
10 cost-of-equity in this case?

11  
12 A\_139. Besides the DCF analysis, I employ a CAPM  
13 model. However, just as my implementation  
14 of the DCF model differs from DR. Morin's  
15 implementation of the DCF model, my  
16 implementation of the CAPM model differs  
17 from Dr. Morin's implementation of the  
18 CAPM model.

19  
20  
21 Q\_140. What is the CAPM model?

22  
23 A\_140. The model defines the cost-of-equity as  
24 the market's risk-free rate of return plus  
25 an estimated risk premium which is  
26 multiplied by a beta. The risk premium is  
27 the difference between the overall market  
28 return and the risk-free return. The model  
29 is often expressed by the following  
30 general formula:

31  
32 
$$K_e = R_f + (R_m - R_f) * B_e (1)$$
  
33

1 where

2  
3 + is the symbol for addition

4  
5 \* is the symbol for multiplication

6  
7  $K_e$  is the cost-of-equity

8  
9  $R_m$  is the overall market rate of return

10  
11  $R_f$  is the risk-free rate of return

12  
13 ( $R_m - R_f$ ) is the risk premium

14  
15  $B_e$  is the beta for common stock

16  
17 There is an exact correspondence between  
18 this formula and the formula shown in Dr.  
19 Morin's testimony at page 20 line 14.

20  
21 Dr. Morin implements the CAPM model by  
22 substituting certain values for the values  
23 in formula (1) shown above:

24  
25 
$$K_e = .053 + (.123 - .053) * .77$$

26  
27 or

28  
29 
$$10.69\% = 5.3\% + (12.3\% - 5.3\%) * .77$$

30  
31 the result is

32  
33 
$$10.69\% = 5.3\% + (7\%) * .77$$



1 In his testimony at page 28 line 14 Dr. Morin  
2 raises the cost of equity from 10.69% to 11.1%  
3 by multiplying the risk premium of 7% by the  
4 term:  $(B_e * .75) + .25$ , and adding the result to  
5 10.69% to give a total of 11.1%.

6  
7 Q\_141. Does Dr. Morin explain his reasoning for such  
8 an adjustment?

9  
10 A\_141. No. In my opinion Dr. Morin has not explained  
11 his reasoning for such an adjustment. He  
12 testifies that he relaxes "some of the more  
13 restrictive assumptions" of the CAPM model" and  
14 that the "the literature is conveniently  
15 summarized in Chapter 13 of my book..."

16  
17 Q\_142. Has Dr. Morin provided a copy of his book or  
18 Chapter 13 of his book so that it can be placed  
19 into the record of this rate case?

20  
21 A\_142. No. Dr. Morin has not provided a copy of his  
22 book or Chapter 13.

23  
24 Q\_143. What is your opinion of Dr. Morin's raising his  
25 CAPM return from 10.69% to 11.1%.

26  
27 A\_143. In my opinion his adjustment is not justified  
28 for the same reason his ARP and HRP methods are  
29 not justified. His adjustment is impossible to  
30 cross-check and verify because it is not based  
31 on the comparable natural gas distribution  
32 companies. My opinion is to disregard his  
33 adjustment.

1 Q\_144. What other adjustment does Dr. Morin apply to  
2 his CAPM equity cost?

3  
4 A\_144. Besides raising his CAPM amount of 10.69  
5 percent to 11.1 percent, he adds another .3  
6 percent for a "flotation adjustment" so that  
7 his final CAPM equity cost is 11.4 percent, as  
8 shown at page 28 lines 16-17 of his testimony.  
9 Thus by means of two adjustments Dr. Morin has  
10 nudged his 10.69 percent return to 11.4  
11 percent. However, my opinion is to disregard  
12 both adjustments because they are arbitrary.

13  
14 Q\_145. How do you implement the CAPM model?

15  
16 A\_145. I implement the CAPM model in these steps.

17  
18 Whereas Dr. Morin's model is

19  
20 
$$K_e = R_f + (R_m - R_f) * B_e (1)$$

21  
22 mine is

23  
24 
$$K_e = K_d + (R_m - R_f) * B_e (2)$$

25  
26 The only difference is that in my model  $K_d$   
27 is the cost-of-debt and substitutes for  $R_f$   
28 in Dr. Morin's model

29  
30 The formula's terms have the same meanings  
31 as already discussed.  
32

I arrived at my formula by treating debt as if its market rate is determined in the same way as the market rate for equity:

$$K_d = R_f + (R_m - R_f) * B_d \quad (3)$$

Where  $B_d$  is the beta for debt capital

There is a market for debt capital just like there is a market for equity capital. I derived equation (2) by subtracting equation (3) from equation (1) and the result is equation (2):

$$K_e = K_d + (R_m - R_f) * (B_e - B_d) \quad (2).$$

I've assumed that  $B_d$  is zero, which means that I am treating debt cost as risk free, so that equation (2) reduces to equation (1) but  $K_d$  substitutes for  $R_f$ . This formulation practically assures that the equity cost will be higher than debt cost.

Therefore, the differences between Dr. Morin's CAPM model and my CAPM model are not great.

1 For example, my Schedule 25 lists returns  
2 to large company stocks from the period  
3 1925 through 2002 taken from Ibbotson  
4 Associates 2002 Yearbook - "Stocks Bonds,  
5 Bills and Inflation," Tables A-1 and B-1.  
6 Column 1 lists the year, column 2 lists  
7 the actual value of the return and column  
8 3 lists the percentage gain or loss from  
9 the prior year. The actual or "geometric"  
10 return over the entire period is 10.20%,  
11 shown at the bottom of column 2. The  
12 'arithmetic' return is 12.20%. I do not  
13 use the 'arithmetic' return overstates the  
14 real return by 2%. However, in my model  
15 10.20% is  $R_m$ , the market return.

16  
17 The risk free rate,  $R_f$ , is derived from  
18 Schedule 26. In this case I am using the  
19 three-month U.S. Treasury bills. The  
20 three-month rate is based on a long term  
21 perspective of the riskless rate and that  
22 it is a better concept to use in this case  
23 than a long-term bond or note. The risk  
24 free rate,  $R_f$ , is 3.79%

25  
26 **Q\_146.** In your CAPM model what risk premium is derived  
27 from the market return  $R_m$ , and the market  
28 return the risk free rate,  $R_f$ ?

29  
30 **A\_146.** In my CAPM model the risk premium is 6.41%,  
31 which is the difference between 10.2% and  
32 3.79%.

33  
34 **Q\_147.** At this point, what is the practical difference  
35 between Dr. Morin's CAPM Model and yours?

1  
2 A\_147. The practical difference is in the value of the  
3 beta used in Dr. Morin's model versus the beta  
4 I use. Dr. Morin's model is

5  
6  $10.69\% = 5.3\% + (7\%) * .77$

7  
8 Mine is:

9  
10  $\text{Equity} = \text{DebtCost} + (6.41\%) * \text{Beta}$

11  
12 At this point there are just two items left to  
13 fill-in for my model - the cost of debt and the  
14 beta.

15  
16 Q\_148. What debt cost are you using?

17  
18 A\_148. I am using a debt cost of 6.74 % because  
19 it matches the long-term debt cost in this  
20 case. In addition, as shown in my Schedule  
21 5, AGL Resources' long-term debt has a  
22 large "floating" portion. There are no  
23 public records that I know of where  
24 "floating" debt is rated as fixed debt is.  
25 For example fixed debt could be rated "A",  
26 "BB," or any other of several ratings. But  
27 since these ratings are not available for  
28 "floating" debt, my judgment is to derive  
29 the CAPM rate in part by accepting the  
30 company's 6.74% rate. Also, this amount is  
31 higher than Dr. Morin's rate of 5.3% and  
32 points out the advantage to my formulation  
33 of the CAPM model. Dr. Morin's CAPM model  
34 begins at 5.3%, a rate lower than the debt

1 cost of 6.74%. This highlights a practical  
2 defect of Dr. Morin's CAPM model: it  
3 starts more than 100 basis points lower  
4 than debt cost, a loss that has to be  
5 compensated for someplace else in the CAPM  
6 model.

7  
8 On the other hand, my use of 6.74% rather  
9 than Dr. Morin's amount of 5.3%  
10 counterbalances my lower risk premium of  
11 6.41%, which is about .6% lower than his  
12 risk premium of 7%. Therefore, the main  
13 difference between our two models lies in  
14 the value of the beta. Where Dr. Morin  
15 uses Value Line's amount of .77, I use an  
16 amount of .10. His CAPM is 10.69% and mine  
17 is 7.4% , and the entire difference is  
18 attributable to the betas.

19  
20 The entire analysis is shown in my Schedule 27.  
21 I note that the CAPM model, were it applied to  
22 AGL alone, gives AGL a return of 8.25%.

23  
24 Q\_149. **What is a beta?**

25  
26 A\_149. It is a ratio of the change in a stock  
27 price to the change in the overall market  
28 price or index, and there are three  
29 possibilities. For example, if a market  
30 index increases by 10 percent and a stock  
31 price increases 5 percent, then the  
32 stock's beta is .5 or one-half. On the  
33 other hand, if a market index increases by  
34 10 percent and a stock price decreases 5

1           percent, then the stock's beta is a  
2           negative one-half. Finally, if a market  
3           index changes and the stock price does not  
4           change, the stock's beta is zero.

5  
6   Q\_150.    What economic meaning is normally assigned  
7           to the beta?

8  
9   A\_150.    It is regarded as a measure of risk, the  
10           higher the beta, the higher the risk.

11  
12   Q\_151.   Where are the Value Line betas in Dr.  
13           Morin's cost-of-capital analysis?

14  
15   A\_151.   Value Line betas appear in Dr. Morin's  
16           analysis in his Exhibit RAM-2.

17  
18   Q\_152.   What are values of the betas in Dr.  
19           Morin's Exhibit RAM-2?

20  
21  
22   A\_152.   The betas' values range from a high of 1  
23           to a low of .55.

**XIII. Dr. Morin's CAPM Analysis Relies  
On Value Line Betas, Which Are  
Not Standard Practice and Which  
Inflate Returns**

Q\_153. Do you agree that Value Line betas measure risk?

A\_153. No. I disagree because Value Line's betas inflate the measure of risk and are not standard practice in the financial industry.

My Schedule 28 provides a comparison of Value Line betas with other betas. The far right column lists Value Line's betas. Value Line's betas are substantially higher than all others. Clearly, Value Line's betas are not standard practice. My calculations give results consistent with standard practice.

Q\_154. What is the effect of Value Line's betas on the estimated cost-of-capital?

A\_154. Value Line's betas lead to an overestimate of risk and an overestimate of capital cost.



1 Q\_155. How does Value Line calculate its betas?

2  
3 A\_155. Value Line reduces the calculated beta by  
4 one-third and then adds .35 to produce an  
5 "adjusted" beta. This adjustment to the  
6 calculated beta makes low betas look  
7 higher than they really are. Therefore,  
8 Value Line's betas do not capture or  
9 embody changes in economic conditions.

10  
11 My Schedule 29 shows the relationship  
12 between a calculated beta and the Value  
13 Line Beta.

14  
15 My Schedule 30 is a history of Value Line  
16 betas for AGL Resources from January 1994  
17 through December 2003.

18  
19 My Chart 1 of 3 is a chart displaying AGL  
20 Resources calculated beta versus the Value  
21 Line beta. From January 1998 through  
22 January 2004.

23  
24 My Chart 2 of 3 is a chart displaying AGL  
25 Resources calculated beta, as well as the  
26 calculated betas for each comparable  
27 company since January 1998.

28  
29 My Chart 2 of 3 is based on my Schedule  
30 31, which is a table displaying the  
31 calculated betas for five years ending -  
32 from January 1998 through March 2004.

1 My table and charts show that real betas  
2 have not been in the .6 to .8 range since  
3 early 1998. Therefore, Dr. Morin's CAPM  
4 analysis is predicated on betas that are  
5 not even close to being current.

6  
7 The Value Line beta masks the relative  
8 gain or loss in a stock's value. The beta  
9 is a "relative" measure in the same sense  
10 that economic wealth is a relative  
11 measure. It has no meaning without  
12 reference to another measure. For example,  
13 an annual income of \$50,000 in the year  
14 1900 would indicate great wealth, but the  
15 same figure in the year 2000 would not. To  
16 the extent the Value Line masks the real  
17 value of a beta, the Value Line beta  
18 overestimates the true economic return of  
19 any company.

20  
21 My Chart 3 of 3 displays a long history of  
22 AGL Resources stock price, the S&P500  
23 Index scaled back to 10% of its value, and  
24 the ratio of AGL's stock price to the  
25 scaled S&P Index. I scaled the index so  
26 the left axis of the chart would display  
27 the magnitude of the relative decline in  
28 AGL's stock value. Otherwise the index  
29 would so much larger than AGL's stock  
30 price that the stock's relative decline in  
31 value would not be noticeable.

32

1 For example, in November 1987 AGL's stock  
2 price was about \$11 per share and the S&P  
3 index was about 230. By scaling the index  
4 back to 23 and placing it on the same  
5 chart as AGL's stock price, the ratio of  
6 AGL's stock price to the scaled index is  
7 about 45%. Starting in November 1987 and  
8 reading the chart from left to right shows  
9 that in 1994 the S&P index rapidly  
10 increased while AGL's stock price changed  
11 just a little. The ratio of the stock  
12 price to the scaled index fell to 10% in  
13 late 1999, all the while AGL's stock price  
14 had not changed much. This is the exact  
15 pattern that causes a calculated beta to  
16 be low: a stock price that is more or less  
17 constant and an index rapidly rising or  
18 falling.

19  
20 On the other hand, Value Line's beta for  
21 AGL Resources in no way indicates that AGL  
22 Resources stock's value had a long history  
23 of falling behind the market. Therefore,  
24 just as Value Line's past betas mask the  
25 decline of AGL's stock value relative to  
26 the market and suggest the stock's rate of  
27 return was more than it really was, Value  
28 Line's current beta overestimates the rate  
29 of return in this rate case.

30  
31 **Q\_156. Do you know the economic basis for Value**  
32 **Line's procedure to calculate betas?**  
33

1    **A\_156.**       Yes. Value Line bases its procedure on an  
2                   article titled "On The Assessment Of Risk"  
3                   which was authored by Marshall Blume of  
4                   the University of Pennsylvania. Professor  
5                   Blume's article was published in the March  
6                   1971 issue of the *Journal of Finance*.  
7                   Blume believed that all betas tend towards  
8                   one, which is overall market average beta  
9                   of the thousands of companies that compose  
10                  the stock market.

11  
12                  Blume performed a calculation to raise the  
13                  value of betas that are low and lower the  
14                  value of betas that are high. This  
15                  procedure was adopted by Value Line. The  
16                  portfolios in Blume's article were formed  
17                  between the years 1926 and 1968. His most  
18                  recent portfolio is almost forty years  
19                  old. His inquiry has not been updated, and  
20                  there is no evidence that his portfolio  
21                  included gas distribution companies.

22  
23    **Q\_157.**       **Has the issue of adjusted betas versus**  
24                   **calculated betas been studied?**

25  
26    **A\_157.**       Yes. The issue of adjusted versus calculated  
27                   betas has been addressed in several forums.  
28

1        *Financial Markets and Corporate*  
2        *Strategy*, (1<sup>st</sup> Edition, 1998), a standard  
3        college financial textbook used worldwide  
4        and authored by Professor Mark Grinblatt  
5        of UCLA and Professor Sheridan Titman of  
6        the University of Texas, addresses the  
7        issue of Value Line adjusting a beta's  
8        value towards one. At page 175 of the book  
9        its authors advise students of finance:  
10       "better beta estimates might result by  
11       shrinking the unadjusted estimates towards  
12       an industry average rather than toward the  
13       market average [of one]."

14  
15       Another standard but older financial  
16       textbook, *Financial Management and Policy*  
17       by James C. VanHorne of Stanford  
18       University, says at page 69 of the 7th  
19       edition: "Adjusting historical betas is  
20       difficult business because the process is  
21       seldom clear and consistent."

22  
23       In 2002 the Australian government  
24       commissioned a study to examine the use of  
25       adjusted betas versus calculated betas.  
26       The relevant report is: "Final Report,  
27       Empirical Evidence on Proxy Beta Values  
28       for Regulated Gas Transmission Activities:  
29       July 2002 Report for the Australian  
30       Competition and Consumer Commission,"  
31       prepared by the Allen Consulting Group of  
32       Melbourne, Australia.  
33

1 The following conclusion appears at page  
2 30 of the report: "Accordingly this report  
3 uses the raw betas estimates produced by  
4 each of the beta estimation services." The  
5 report can be acquired over the internet  
6 at:

7  
8 [http://www.accc.gov.au/gas/br\\_reg\\_iss/empiricalA.pdf](http://www.accc.gov.au/gas/br_reg_iss/empiricalA.pdf),

9  
10  
11 and

12  
13 [http://www.accc.gov.au/gas/br\\_reg\\_iss/empiricalB.pdf](http://www.accc.gov.au/gas/br_reg_iss/empiricalB.pdf).

14  
15  
16  
17 Also in 1998 Professor Martin Lally of the  
18 Victoria University of Wellington,  
19 authored an article, with the technical  
20 and esoteric title of "An examination of  
21 Blume and Vasicek Betas." The article was  
22 published in the economic journal, *The*  
23 *Financial Review*. Professor Lally  
24 concludes at page 192 of his article: "The  
25 result is a dramatic overestimate by  
26 Blume, because a singularly relevant fact  
27 is ignored, i.e., membership [in] an  
28 industry whose average estimated, and  
29 therefore presumably also true beta is  
30 well below one."

31  
32 Q\_158. **Is *The Financial Review* a professional**  
33 **economics journal?**

1    **A\_158.**     Yes. It is a professional journal. *The*  
2               *Financial Review* is the property of and  
3               published by the Eastern Finance  
4               Association. I also point out that Dr.  
5               Morin has published an article in *The*  
6               *Financial Review* in 1981, according to Dr.  
7               Morin's Appendix A page 8 of 8,  
8  
9

10   **Q\_159.**     Do you consider your calculated beta to be  
11               accurate?  
12

13   **A\_159.**     Yes, I consider it accurate.  
14

15   **Q\_160.**     What is your opinion with regard to Value  
16               Line's betas?  
17

18   **A\_160.**     My opinion is that Value Line's betas be  
19               disregarded because they are inaccurate,  
20               leading to a higher risk assessment than  
21               the appropriate analysis would indicate.  
22

23   **Q\_161.**     In your opinion what is a just and reasonable  
24               equity return in this rate case proceeding?  
25

26   **A\_161.**     In my opinion 8.35% is a just and reasonable  
27               equity return, consistent with current returns  
28               in the American economy. The return is the  
29               average of my DCF return of 9.28% and my CAPM  
30               result of 7.4%.  
31  
32

33   **Q\_162.**     In your opinion is 8.35% a credible return?  
34

1    **A\_162.**       Yes. In my opinion 8.35% is a credible return.  
2                   My Schedule 32 supports my opinion. In May 2001  
3                   the DRI-WEFA group, an economic and financial  
4                   forecasting company formed from DRI (formerly  
5                   Data Resources Inc. owned by Standard & Poor's)  
6                   and WEFA (Wharton Econometric Forecasting  
7                   Associates) issued a report named "25-Year  
8                   *Focus, Summer 2001 - The Four Scenarios: The*  
9                   Trend Projection." At page 17 of the report the  
10                  firm projects stock market prices to rise at  
11                  just 5.3 percent annually.

12  
13                  A respected economics-consulting-firm is  
14                  suggesting that a rapidly rising stock market  
15                  with high levels of growth and high equity risk  
16                  is over.

17  
18                  In addition, investors are holding equity for  
19                  three years at most and an 8.35% return is well  
20                  above what they can expect if they were to hold  
21                  debt for that length of time.

22  
23  
24    **Q\_163.**       How does your rate of return in this case  
25                   compare to the return you recommended in TRA  
26                   docket Docket No. 97-00982?

27  
28    **A\_163.**       In the last case my opinion was that a return  
29                   of 10.55% was just and reasonable. That return  
30                   is 200 basis points higher than my equity  
31                   return in this case.



1 Q\_164. Are your cost-of-equity methods in this case  
2 different than the methods you employed in the  
3 last case?  
4

5 A\_164. No. The methods are not different.  
6

7 Q\_165. In your opinion, why is your return in this  
8 case lower than the return in the last case?  
9

10 A\_165. In my opinion the returns are different because  
11 economic conditions have changed.  
12

13 Q\_166. In your opinion, is CGC entitled to a rate  
14 increase because there has been no rate  
15 increase since 1995?  
16

17 A\_166. No. In my opinion the absence of a rate  
18 increase since 1995 is not a justification for  
19 a rate increase in 2004. The rate of return is  
20 the determining factor in assessing the need  
21 for a rate increase, as I have already  
22 discussed in my summary.  
23

24 Q\_167. Why are you giving your opinion on this issue?  
25

26 A\_167. I am giving my opinion because the company  
27 raises this issue at the beginning of its  
28 entire case. Mr. Steve Lindsey testifies at  
29 page 3 lines 10-13:

**A. REQUEST FOR RATE RELIEF**

**Q. When was Chattanooga Gas Company's last rate increase?**

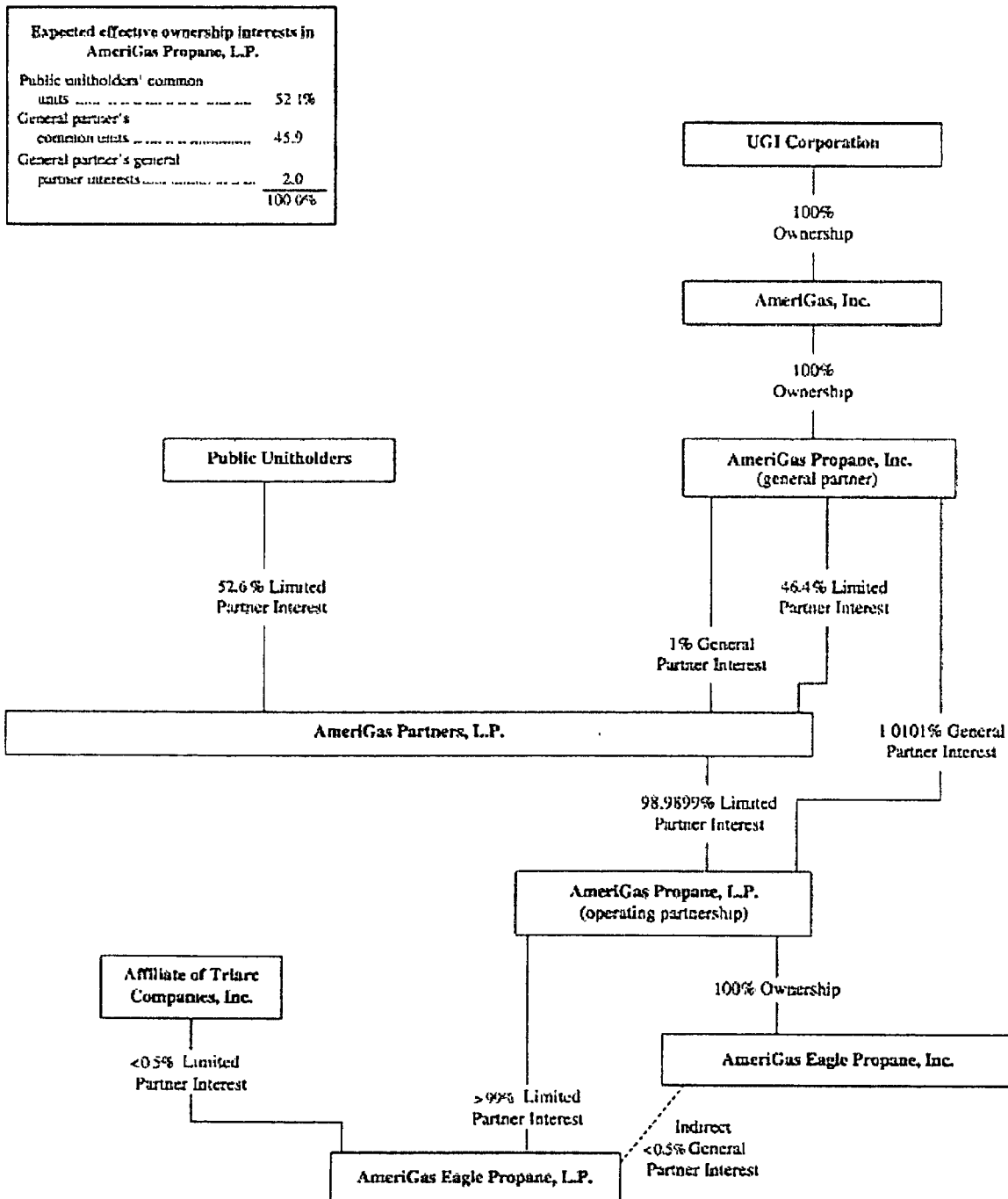
A. Chattanooga was last granted a general rate increase in 1995 in Tennessee Regulatory Authority ("TRA") Docket No 95-02116. In 1998 rates were reduced in TRA Docket No. 97-00982.

1  
2  
3 However, Mr. Lindsey's testimony on this point  
4 is not relevant. When several years have passed  
5 without a utility petitioning the TRA for a  
6 rate increase, there are least two economic  
7 meaning that can be drawn. One meaning is that  
8 is that the utility believes it is earning a  
9 satisfactory return. A second meaning is that  
10 is that the utility is over-earning and making  
11 consumers pay higher rates than would otherwise  
12 be the case. In either case, the absence of a  
13 rate increase does not mean that consumers are  
14 paying less than fair prices for the utility's  
15 services or that consumers are receiving a  
16 benefit that they are not paying for. This  
17 concludes my testimony at this time.

# Company Excluded From Comparable Group

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Source AMERIGAS PARTNERS SEC Form 424B5 Filed 2003\_06\_12 File 3



# Company Excluded From Comparable Group

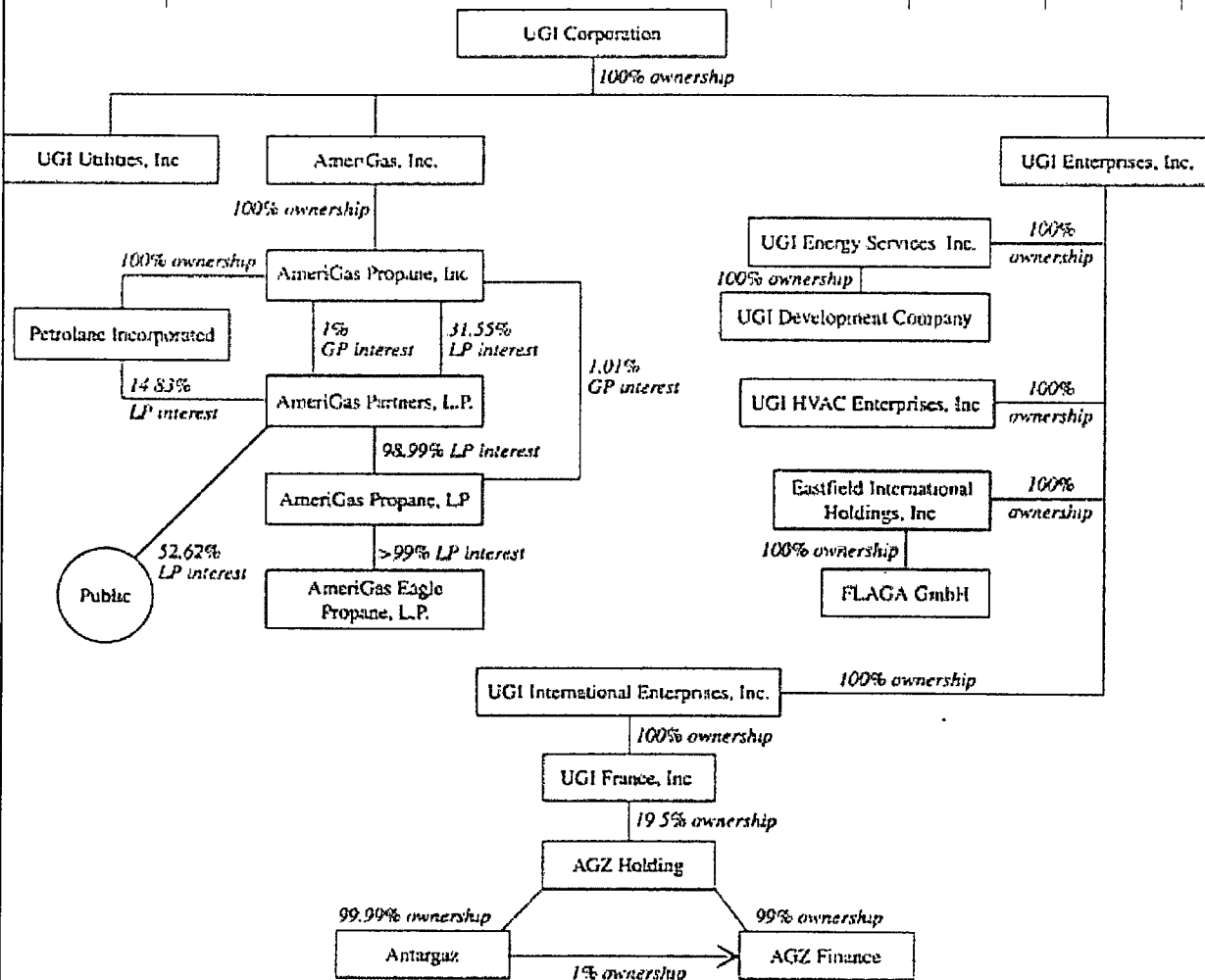
Docket No 04 00034  
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Financial Data Source UGI CORP SEC Form 10-K Filed 2003\_12\_23

UGI Total Revenues - 2003 at Sep 30 \$3,026.1 (Millions) 17% From Gas Sales

UGI Total Capitalization - 2003 at Sep 30 \$2,004.5 (Millions) 53% For Amerigas

Chart Source UGI CORP SEC Form 424B5 Filed 2004\_03\_19 File 04



# Company Excluded From Comparable Group

Docket No 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 1\_\_\_\_  
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Source	Text
ENERGEN CORP 10-K Filed 1995_12_28	APSC REGULATION: As a public utility in the state of Alabama, Alagasco is subject to regulation by the Alabama Public Service Commission (APSC), which has adopted several innovative approaches to rate regulation, including Alagasco's Rate Stabilization and Equalization (RSE) rate-setting process. Implemented in 1983 and modified in 1985, 1987, and 1990, RSE replaced the traditional utility rate case . . . Under Alagasco's current RSE order, which became effective December 1990, Alagasco's allowed ROE range is 13.15 percent to 13 65 percent.
ENERGEN CORP 10-K Filed 2003_03_20	Alagasco is subject to regulation by the Alabama Public Service Commission (APSC) which, in 1983, established the Rate Stabilization and Equalization (RSE) rate-setting process. RSE was extended in 2002, 1996, 1990, 1987 and 1985 On June 10, 2002, the APSC extended RSE for a six-year period, through January 1, 2008. Under the APSC order, Alagasco's allowed range of return on average equity remains 13.15 percent to 13 65 percent throughout the term of the order...

# Company Excluded From Comparable Group

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Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 1\_\_\_\_\_  
Page 4 of 4\_\_\_\_\_

SOUTHERN UNION 10-K Filed 2003_09_29	Southern Union Total Capitalization - 2003 at Sep. 30 . \$2346.4 (Millions) \$1218.7 (Millions) [ 50% To Panhandle Eastern Pipeline]
SOUTHERN UNION 10-K Filed 2003_09_29	Acquisition of Panhandle Eastern Pipe Line Company and Subsidiaries - On June 11, 2003, Southern Union acquired Panhandle Energy from CMS Energy Corporation for approximately \$582 million in cash and in connection therewith incurred transaction costs estimated at \$30 million. Additional consideration was financed by CMS Energy Corporation through their purchase of 3 million shares of Southern Union common stock (before adjustment for any subsequent stock dividends) valued at approximately \$49 million based on market prices at closing. Southern Union also incurred additional deferred state income tax liabilities estimated at \$18 million as a result of the transaction. At the time of the acquisition, Panhandle Energy had approximately \$1.159 billion of debt outstanding that it retained .
SOUTHERN UNION 10-K Filed 2003_09_29	The Panhandle Energy entities include Panhandle Eastern Pipe Line Company, LLC (Panhandle Eastern Pipe Line), Trunkline Gas Company, LLC (Trunkline), Sea Robin Pipeline Company (Sea Robin), Trunkline LNG Company, LLC (Trunkline LNG) and Pan Gas Storage Company, LLC (Pan Gas, also dba Southwest Gas Storage). Collectively, the pipeline assets include more than 10,000 miles of interstate pipelines

SECURITIES AND EXCHANGE COMMISSION
(Release No 35-27812)
Filings Under the Public Utility Holding Company Act of 1935, as amended ("Act")
10-Mar-04
<p>Notice is hereby given that the following filing(s) has/have been made with the Commission pursuant to provisions of the Act and rules promulgated under the Act. All interested persons are referred to the application(s) and/or declaration(s) for complete statements of the proposed transaction(s) summarized below. The application(s) and/or declaration(s) and any amendment(s) is/are available for public inspection through the Commission's Branch of Public Reference.</p>
<p>Interested persons wishing to comment or request a hearing on the application(s) and/or declaration(s) should submit their views in writing by March 31, 2004, to the Secretary, Securities and Exchange Commission, Washington, D C. 20549-0609, and serve a copy on the relevant applicant(s) and/or declarant(s) at the address(es) specified below. Proof of service (by affidavit or, in the case of an attorney at law, by certificate) should be filed with the request. Any request for hearing should identify specifically the issues of facts or law that are disputed. A person who so requests will be notified of any hearing, if ordered, and will receive a copy of any notice or order issued in the matter. After March 31, 2004, the application(s) and/or declaration(s), as filed or as amended, may be granted and/or permitted to become effective.</p>
AGL Resources Inc. (70-10175)

AGL Resources Inc ("AGL Resources"), a registered public utility holding company, Ten Peachtree Place, Suite 1000, Atlanta, Georgia 30309, AGL Resources' electric and gas public utility subsidiaries, Atlanta Gas Light Company ("AGLC"), Ten Peachtree Place, Suite 1000, Atlanta, Georgia 30309, Chattanooga Gas Company ("CGC") 2207 Olan Mills Drive, Chattanooga, Tennessee 37421, Virginia Natural Gas, Inc ("VNG"), 5100 East Virginia Beach Boulevard, Norfolk, Virginia 23502, (AGLC, CGC, and VNG collectively "Utility Subsidiaries"), and AGL Resources' direct and indirect nonutility subsidiaries ("Nonutility Subsidiaries" and collectively with the Utility Subsidiaries, "Subsidiaries") Georgia Natural Gas Company ("GNG"), AGL Investments, Inc ("AGLI"), AGL Services Company ("AGL Services"), AGL Capital Corporation ("AGL Capital"), Global Energy Resource Insurance Corporation ("GERIC"), Pivotal Energy Services, Inc ("Pivotal Energy Services"), AGL Rome Holdings, Inc, Pivotal Propane of Virginia, Inc, Southeastern LNG, Inc

### III Overview of the Requests

Applicants request authorization to engage in the following financing transactions during the period from the effective date of the order granted in this Application through March 31, 2007 ("Authorization Period")

Applicants state that the proceeds from the sale of securities in external financing transactions will be used for general corporate purposes, including the financing, in part, of the capital expenditures and working capital requirements of AGL Resources and its Subsidiaries, for the acquisition, retirement or redemption of securities previously issued by AGL Resources or the Subsidiaries, and for authorized investments in companies organized in accordance with rule 58 under the Act ("Rule 58 Companies"), exempt wholesale generators ("EWGs"), as defined in section 32 of the Act, foreign utility companies ("FUCOs"), as defined in section 33 of the Act, exempt telecommunications companies ("ETCs"), as defined in section 34 of the Act, and for other lawful purposes

Applicants request authorization for the following transactions through the Authorization Period

issuances and sales of securities or borrowings during the Authorization Period by AGL Resources of up to \$5 billion at any time outstanding ("AGL Resources External Limit"),

issuances by AGL Resources of guarantees and other forms of credit support in an aggregate amount of \$1 billion at any time outstanding ("AGL Resources Guarantee Limit"),

issuances by AGLC, CGC, and VNG of guarantees and other forms of credit support with respect to the obligations of their respective subsidiaries in an amount not to exceed and \$300 million, \$75 million, and \$150 million, respectively ("Utility Guarantees"),

short-term borrowings by AGLC of \$750 million and CGC of \$250 million in short-term debt,

hedging transactions by AGL Resources and the Utility Subsidiaries with respect to their indebtedness,



Endnotes
1 Applicants state that operating margin represents operating revenues less cost of sales
2 Applicants state that common stock equity ("Common Stock Equity") includes common stock (i.e , amounts received equal to the par or stated value of the common stock), additional paid in capital, retained earnings and minority interests
3 Applicants would calculate the Common Stock Equity to total capitalization ratio as follows: common stock equity (common stock equity + preferred stock + gross debt) Gross debt is the sum of long-term debt, short-term debt and current maturities. <a href="http://www.sec.gov/divisions/investment/opr/filing/35-27812.htm">http://www.sec.gov/divisions/investment/opr/filing/35-27812.htm</a>

# DETERMINATION OF COMMON EQUITY RATIOS AND CAPITAL STRUCTURE FOR COMPARABLE COMPANIES

## AGL Resources: Consolidated Capitalization (In Millions of \$)

2003: Dec 31 2002: Dec 31 2001: Dec 31

4 Short-Term Debt: Notes Due	\$306	\$389	\$385
5 Short-Term Debt: Current Portion of Long-Term Debt	\$77	\$30	\$93
6 Long-Term Debt	\$731	\$767	\$797
7 Trust Preferred Securities	\$225	\$227	\$218
8 Common Equity	\$945	\$710	\$690
9 Total	\$2,285	\$2,123	\$2,183

### RATIOS:

12 Short-Term Debt: Notes Due	13.4%	18.3%	17.6%
13 Short-Term Debt: Current Portion of Long-Term Debt	3.4%	1.4%	4.3%
14 Long-Term Debt	32.0%	36.1%	36.5%
15 Trust Preferred Securities	9.9%	10.7%	10.0%
16 Common Equity	41.4%	33.4%	31.6%
17 Total	100.0%	100.0%	100.0%

# DETERMINATION OF COMMON EQUITY RATIOS AND CAPITAL STRUCTURE FOR COMPARABLE COMPANIES

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1	<i>Atmos : Consolidated Capitalization</i>			
2	<i>(In Thousands of \$)</i>			
3	<i>Capital Structure Components As Of:</i>	<i>2003: Sep 30</i>	<i>2002: Sep 30</i>	<i>2001: Sep 30</i>
4	Short-Term Debt: Notes Due	\$118,595	\$145,791	\$201,247
5	Short-Term Debt: Current Portion of Long-Term Debt	\$9,345	\$21,980	\$20,695
6	Long-Term Debt	\$863,918	\$670,463	\$692,399
7	Common Equity	\$857,517	\$573,235	\$583,864
8	Preferred		\$0	\$0
9	Total	\$1,849,375	\$1,411,469	\$1,498,205
10				
11				
12	Short-Term Debt: Notes Due	6.4%	10.3%	13.4%
13	Short-Term Debt: Current Portion of Long-Term Debt	0.5%	1.6%	1.4%
14	Long-Term Debt	46.7%	47.5%	46.2%
15	Common Equity	46.4%	40.6%	39.0%
16	Preferred	0.0%	0.0%	0.0%
17	Total	100.0%	100.0%	100.0%

## RATIOS:

# DETERMINATION OF COMMON EQUITY RATIOS AND CAPITAL STRUCTURE FOR COMPARABLE COMPANIES

## KeySpan Corp : Consolidated Capitalization

	(In Thousands of \$)		
	2003: Dec 31	2002: Dec 31	2001: Dec 31
Capital Structure Components As Of:			
Short-Term Debt: Notes Due	\$481,900	\$915,697	\$1,048,450
Short-Term Debt: Current Portion of Long-Term Debt	\$1,471	\$11,413	\$993
Long-Term Debt	\$5,611,432	\$5,224,081	\$4,697,649
Common Equity	\$3,661,948	\$2,944,592	\$2,890,602
Preferred	\$83,568	\$83,849	\$84,077
Total	\$9,840,319	\$9,179,632	\$8,721,771

### RATIOS:

Short-Term Debt: Notes Due	4.9%	10.0%	12.0%
Short-Term Debt: Current Portion of Long-Term Debt	0.0%	0.1%	0.0%
Long-Term Debt	57.0%	56.9%	53.9%
Common Equity	37.2%	32.1%	33.1%
Preferred	0.8%	0.9%	1.0%
Total	100.0%	100.0%	100.0%

# DETERMINATION OF COMMON EQUITY RATIOS AND CAPITAL STRUCTURE FOR COMPARABLE COMPANIES

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## LaClede Group: Consolidated Capitalization

(In Thousands of \$)

	2003: Sep 30	2002: Sep 30	2001: Sep 30
3 Capital Structure Components As Of:			
4 Short-Term Debt: Notes Due	\$218,200	\$161,670	\$117,050
5 Short-Term Debt: Current Portion of Long-Term Debt	\$15,361	\$24,832	\$79
6 Long-Term Debt	\$259,625	\$259,545	\$284,459
7 Common Equity	\$299,072	\$285,766	\$288,085
8 Preferred	\$46,258	\$1,266	\$1,588
9 Total	\$838,516	\$733,079	\$691,261

### RATIOS:

12 Short-Term Debt: Notes Due	26.0%	22.1%	16.9%
13 Short-Term Debt: Current Portion of Long-Term Debt	1.8%	3.4%	0.0%
14 Long-Term Debt	31.0%	35.4%	41.2%
15 Common Equity	35.7%	39.0%	41.7%
16 Preferred	5.5%	0.2%	0.2%
17 Total	100.0%	100.0%	100.0%

# DETERMINATION OF COMMON EQUITY RATIOS AND CAPITAL STRUCTURE FOR COMPARABLE COMPANIES

## New Jersey Resources : Consolidated Capitalization

(In Millions of \$)

	2002: Sep 30	2002: Sep 30	2001: Sep 30
3 Capital Structure Components As Of:			
4 Short-Term Debt: Notes Due	185	\$60	\$86
5 Short-Term Debt: Current Portion of Long-Term Debt	2.5	\$27	\$1
6 Long-Term Debt	258	\$371	\$354
7 Common Equity	419	\$361	\$352
8 Preferred	0	0.295	0.298
9 Total	864.5	\$819	\$792

### RATIOS:

12 Short-Term Debt: Notes Due	21.4%	7.3%	10.8%
13 Short-Term Debt: Current Portion of Long-Term Debt	0.3%	3.3%	0.1%
14 Long-Term Debt	29.8%	45.3%	44.7%

15 Common Equity	48.5%	44.1%	44.5%
------------------	-------	-------	-------

16 Preferred	0.0%	0.0%	0.0%
--------------	------	------	------

17 Total	100.0%	100.1%	100.1%
----------	--------	--------	--------

# DETERMINATION OF COMMON EQUITY RATIOS AND CAPITAL STRUCTURE FOR COMPARABLE COMPANIES

## NICOR : Consolidated Capitalization

(In Millions of \$)

	2003: Dec 31	2002: Dec 31	2001: Dec 31
3 Capital Structure Components As Of:			
4 Short-Term Debt: Notes Due	\$575	\$315	\$277
5 Short-Term Debt: Current Portion of Long-Term Debt	0	\$100	0
6 Long-Term Debt	\$497	\$396	\$446
7 Common Equity	\$755	\$728	\$704
8 Preferred	\$0	\$4	\$6
9 Total	\$1,827	\$1,544	\$1,434

### RATIOS:

12 Short-Term Debt: Notes Due	31.5%	20.4%	19.3%
13 Short-Term Debt: Current Portion of Long-Term Debt	0.0%	6.5%	0.0%
14 Long-Term Debt	27.2%	25.7%	31.1%

15 Common Equity	41.3%	47.2%	49.1%
------------------	-------	-------	-------

16 Preferred	0.0%	0.3%	0.4%
--------------	------	------	------

17 Total	100.0%	100.0%	100.0%
----------	--------	--------	--------

# DETERMINATION OF COMMON EQUITY RATIOS AND CAPITAL STRUCTURE FOR COMPARABLE COMPANIES

## Northwest Natural Gas : Consolidated Capitalization

(In Thousands of \$)

	2003: Dec 31	2002: Dec 31	2001: Dec 31
3 Capital Structure Components As Of:			
4 Short-Term Debt: Notes Due	\$85,200	\$69,802	\$108,291
5 Short-Term Debt: Current Portion of Long-Term Debt	\$0	\$20,000	\$40,000
6 Long-Term Debt	\$500,319	\$445,945	\$378,377
7 Common Equity	\$506,316	\$483,103	\$468,161
8 Preferred	\$0	\$8,250	\$34,000
9 Total	\$1,091,835	\$1,027,100	\$1,028,829

### RATIOS:

12 Short-Term Debt: Notes Due	7.8%	6.8%	10.5%
13 Short-Term Debt: Current Portion of Long-Term Debt	0.0%	1.9%	3.9%
14 Long-Term Debt	45.8%	43.4%	36.8%

15 Common Equity	46.4%	47.0%	45.5%
------------------	-------	-------	-------

16 Preferred	0.0%	0.8%	3.3%
--------------	------	------	------

17 Total	100.0%	100.0%	100.0%
----------	--------	--------	--------



# DETERMINATION OF COMMON EQUITY RATIOS AND CAPITAL STRUCTURE FOR COMPARABLE COMPANIES

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## Peoples Energy Corporation : Consolidated Capitalization

	(In Thousands of \$)			
	2003: Sep 30	2002: Sep 30	2001: Sep 30	
3 Capital Structure Components As Of:				
4 Short-Term Debt: Notes Due	\$207,949	\$287,871	\$507,454	
5 Short-Term Debt: Current Portion of Long-Term Debt	\$0	\$90,000	\$100,000	
6 Long-Term Debt	\$744,345	\$554,014	\$644,308	
7 Common Equity	\$847,999	\$806,324	\$798,614	
8 Preferred	\$0	\$0	\$0	
9 Total	\$1,800,293	\$1,738,209	\$2,050,376	
10				

### RATIOS:

12 Short-Term Debt: Notes Due	11.6%	16.6%	24.7%
13 Short-Term Debt: Current Portion of Long-Term Debt	0.0%	5.2%	4.9%
14 Long-Term Debt	41.3%	31.9%	31.4%

15 Common Equity	47.1%	46.4%	38.9%
------------------	-------	-------	-------

16 Preferred	0.0%	0.0%	0.0%
17 Total	100.0%	100.0%	100.0%

# DETERMINATION OF COMMON EQUITY RATIOS AND CAPITAL STRUCTURE FOR COMPARABLE COMPANIES

## Piedmont: Consolidated Capitalization

(In Thousands of \$)

	2003: Sep 30	2002: Sep 30	2001: Sep 30
3 Capital Structure Components As Of:			
4 Short-Term Debt: Notes Due	\$555,059	\$46,500	\$32,000
5 Short-Term Debt: Current Portion of Long-Term Debt	\$2,000	\$47,000	\$2,000
6 Long-Term Debt	\$460,000	\$462,000	\$509,000
7 Common Equity	\$630,195	\$589,596	\$560,379
8 Preferred	\$0	\$0	\$0
9 Total	\$1,647,254	\$1,145,096	\$1,103,379

## RATIOS:

12 Short-Term Debt: Notes Due	33.7%	4.1%	2.9%
13 Short-Term Debt: Current Portion of Long-Term Debt	0.1%	4.1%	0.2%
14 Long-Term Debt	27.9%	40.3%	46.1%
15 Common Equity	38.3%	51.5%	50.8%
16 Preferred	0.0%	0.0%	0.0%
17 Total	100.0%	100.0%	100.0%

# DETERMINATION OF COMMON EQUITY RATIOS AND CAPITAL STRUCTURE FOR COMPARABLE COMPANIES

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## Southwest Gas: Consolidated Capitalization

(In Thousands of \$)

	2003: Dec 31	2002: Dec 31	2001: Dec 31
3 Capital Structure Components As Of:			
4 Short-Term Debt: Notes Due	\$52,000	\$53,000	\$93,000
5 Short-Term Debt: Current Portion of Long-Term Debt	\$6,435	\$8,705	\$307,641
6 Long-Term Debt	\$1,221,164	\$1,152,148	\$856,351
7 Common Equity	\$630,467	\$596,167	\$561,200
8 Preferred	\$0	\$0	\$0
9 Total	\$1,910,066	\$1,810,020	\$1,818,192

### RATIOS:

12 Short-Term Debt: Notes Due	2.7%	2.9%	5.1%
13 Short-Term Debt: Current Portion of Long-Term Debt	0.3%	0.5%	16.9%
14 Long-Term Debt	63.9%	63.7%	47.1%
15 Common Equity	33.0%	32.9%	30.9%
16 Preferred	0.0%	0.0%	0.0%
17 Total	100.0%	100.0%	100.0%

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## (In Thousands of \$)

## RATIOS:

15	<b>Common Equity</b>	49.2%	48.0%	49.8%
----	----------------------	-------	-------	-------

16 Preferred	1.7%	1.8%	1.8%
17 Total	100.0%	100.0%	100.0%

# SUMMARY OF CAPITAL STRUCTURE

## Capital Structure Based On 10 Comparable Companies

Capital Structure Components As Of:		RATIOS			
		2003	2002	2001	3 Yr Average
Short-Term Debt: Notes Due		15.6%	10.6%	12.4%	12.9%
Short-Term Debt: Current Portion of Long-Term Debt		0.4%	2.9%	3.0%	2.1%
Long-Term Debt		40.9%	43.2%	41.5%	41.9%
Common Equity		42.3%	42.9%	42.3%	42.5%
Preferred		0.8%	0.4%	0.7%	0.6%
Total		100.0%	100.0%	100.0%	100.0%

# SUMMARY OF CAPITAL STRUCTURE

## Capital Structure Based On 10 Comparable Companies

Capital Structure Components As Of:		RATIOS			
		2003	2002	2001	3 Yr Average
Short-Term Debt: Notes Due		15.6%	10.6%	12.4%	12.9%
Short-Term Debt: Current Portion of Long-Term Debt		0.4%	2.9%	3.0%	2.1%
Long-Term Debt		40.9%	43.2%	41.5%	41.9%
Common Equity		42.3%	42.9%	42.3%	42.5%
Preferred		0.8%	0.4%	0.7%	0.6%
Total		100.0%	100.0%	100.0%	100.0%

Docket No. 04-00034  
Exhibit CAPD SB \_\_\_\_\_  
Direct Testimony \_\_\_\_\_  
Schedule 5 \_\_\_\_\_  
Page 1 of 1

## AGI Resources

Docket No 04 00034  
Exhibit CAPD SB  
Direct Testimony  
Schedule 5  
Page 1 of 1

## AGI Resources



## REPORT OF INDEPENDENT AUDITORS

Board of Directors  
Atmos Energy Corporation

We have audited the accompanying consolidated balance sheets of Atmos Energy Corporation as of September 30, 2003 and 2002, and the related consolidated statements of income, shareholders' equity and cash flows for each of the three years in the period ended September 30, 2003

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of Atmos Energy Corporation at September 30, 2003 and 2002, and the consolidated results of its operations and its cash flows for each of the three years in the period ended September 30, 2003

ERNST & YOUNG LLP

Dallas, Texas

10-Nov-03

## INDEPENDENT AUDITORS' REPORT

To the Shareholders and Board of Directors of KeySpan Corporation

We have audited the accompanying Consolidated Balance Sheets of KeySpan Corporation and subsidiaries (the Company) as of December 31, 2003 and 2002, and the related Consolidated Statements of Income, Retained Earnings, Comprehensive Income, Capitalization, and Cash Flows for each of the two years in the period ended December 31, 2003

In our opinion, such consolidated financial statements present fairly, in all material respects, the financial position of the KeySpan Corporation and subsidiaries as of December 31, 2003 and 2002

/s/DeLoitte & Touche LLP

New York, New York

18-Feb-04

Independent Auditors' Report

To the Board of Directors and Shareholders of The Laclede Group, Inc

We have audited the consolidated balance sheets and statements of consolidated capitalization of The Laclede Group, Inc. and its subsidiaries ("the Company") as of September 30, 2003 and 2002, and the related statements of consolidated income, common shareholder' equity, comprehensive income, and cash flows for each of the three years in the period ended September 30, 2003

In our opinion, such consolidated financial statements present fairly, in all material respects, the financial position of The Laclede Group, Inc. and its subsidiaries as of September 30, 2003 and 2002

DELOITTE & TOUCHE LLP

St Louis, Missouri

18-Nov-03

To the Shareholders and Board of Directors of Nicor Inc

We have audited the accompanying consolidated balance sheets and statements of capitalization of Nicor Inc and subsidiaries (the Company) as of December 31, 2003 and 2002, and the related consolidated statements of operations, common equity, comprehensive income, and cash flows for each of the three years in the period ended December 31, 2003. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, such consolidated financial statements present fairly, in all material respects, the financial position of Nicor Inc and subsidiaries as of December 31, 2003 and 2002, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2003.

DELOITTE & TOUCHE LLP  
Chicago, Illinois February 19, 2004

To the Shareholders and Board of Directors of New Jersey Resources Corporation

We have audited the consolidated financial statements of New Jersey Resources Corporation (the "Corporation") as of September 30, 2003 and 2002, and for each of the three years in the period ended September 30, 2003, and have issued our report thereon dated October 28, 2003. This consolidated financial statement schedule is the responsibility of the Corporation's management. Our responsibility is to express an opinion based on our audits. In our opinion, such consolidated financial statement schedule, when considered in relation to the basic consolidated financial statements taken as a whole, presents fairly, in all material respects, the information set forth therein.

DELOITTE & TOUCHE LLP Parsippany, New Jersey October 28, 2003

To the Board of Directors and Shareholders of  
Northwest Natural Gas Company

In our opinion, the consolidated financial statements listed in the accompanying  
table of contents present fairly, in all material respects, the financial  
position of Northwest Natural Gas Company and its subsidiaries (the "Company")  
at December 31, 2003 and 2002, and the results of their operations and their  
cash flows for each of the three years in the period ended December 31, 2003  
/s/PricewaterhouseCoopers LLP

Portland, Oregon

26-Feb-04

To Shareholders of Peoples Energy Corporation

We have audited the accompanying consolidated balance sheets and consolidated capitalization statements of Peoples Energy Corporation and subsidiary companies (the Company) at September 30, 2003 and 2002, and the related consolidated statements of income, stockholders' equity, and cash flows for each of the three years in the period ended September 30, 2003

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Peoples Energy Corporation and subsidiary companies at September 30, 2003 and 2002, and the results of their operations and their cash flows for each of the three years in the period ended September 30, 2003  
DELOITTE & TOUCHE LLP Chicago, Illinois December 10, 2003

Independent Auditors' Report

To the Board of Directors and Stockholders of Piedmont Natural Gas Company, Inc  
Charlotte, North Carolina

We have audited the accompanying consolidated balance sheets of Piedmont Natural Gas Company, Inc. and subsidiaries ("Piedmont") as of October 31, 2003 and 2002, and the related consolidated statements of income, stockholders' equity and cash flows for each of the three years in the period ended October 31, 2003. Our audits also included the financial statement schedule listed in the Index at Item 15. These financial statements and financial statement schedule are the responsibility of Piedmont's management. Our responsibility is to express an opinion on the financial statements and financial statement schedule based on our audits.

In our opinion, such consolidated financial statements present fairly, in all material respects, the financial position of Piedmont at October 31, 2003 and 2002, and the results of its operations and its cash flows for each of the three years in the period ended October 31, 2003.

/s/ DELOITTE & TOUCHE LLP

09-Jan-04



To the Shareholders of  
Southwest Gas Corporation

In our opinion, the accompanying consolidated balance sheets and the related consolidated statements of income, of stockholders' equity and of cash flows present fairly, in all material respects, the financial position of Southwest Gas Corporation and its subsidiaries at December 31, 2003 and 2002, and the results of their operations and their cash flows for the years ended December 31, 2003 and 2002 in conformity

PricewaterhouseCoopers LLP  
Los Angeles, California

11-Mar-04

To the Board of Directors and Shareholders of WGL Holdings, Inc. and Washington Gas Light Company

We have audited the accompanying consolidated balance sheets and consolidated statements of capitalization of WGL Holdings, Inc. and subsidiaries and the separate balance sheets and statements of capitalization of Washington Gas Light Company (the Companies) as of September 30, 2003 and 2002, and the related statements of income, common shareholders' equity, cash flows and income taxes for the years then ended. Our audits also included the financial statement schedules listed in the Index at Item 15 under Schedule II for the years ended September 30, 2003 and 2002. These financial statements and financial statement schedules are the responsibility of the Companies' management. Our responsibility is to express an opinion on the financial statements and financial statement schedules based on our audits.

We believe that our audits provide a reasonable basis for our opinion. In our opinion, such 2003 and 2002 financial statements present fairly, in all material respects, the consolidated financial position of WGL Holdings, Inc. and subsidiaries and the financial position of Washington Gas Light Company as of September 30, 2003 and 2002.

DELOITTE & TOUCHE LLP  
McLean, Virginia

05-Dec-03

APPLICATION OF <sup>FILED</sup> SEP 27 P 2:53

AT RICHMOND, SEPTEMBER 27, 2002

VIRGINIA NATURAL GAS, INC.,  
AGL RESOURCES INC., and  
AGL SERVICES COMPANY

CASE NO. PUE-2002-00515

For authority to issue short-term  
debt, long-term debt, and common  
stock to an affiliate

ORDER GRANTING AUTHORITY

On September 17, 2002, Virginia Natural Gas, Inc. ("VNG"),  
AGL Resources, Inc. ("AGLR"), and AGL Services Company ("AGL  
Services") (collectively, "Applicants"), filed an application  
under Chapters 3 and 4 of Title 56 of the Code of Virginia  
requesting authority for VNG to participate in the AGLR Money  
Pool, to issue long-term debt, and to issue and sell common stock  
to an affiliate. The amount of short-term debt proposed in the  
application exceeds twelve percent of capitalization as defined  
in § 56-65.1 of the Code of Virginia. Applicants have paid the  
requisite fee of \$250.

2) VNG is authorized to issue long-term debt to AGLR in an amount not to exceed \$250,000,000 and to issue and sell common stock to AGLR in an amount not to exceed \$300,000,000, for the period extending from October 1, 2002, through December 31, 2003, under the terms and conditions and for the purposes set forth in the application.

3) Approval of this application shall have no implications for ratemaking purposes.

4) Approval of this application does not preclude the Commission from applying the provisions of § 56-78 and § 56-80 of the Code of Virginia hereafter.

5) The Commission reserves the right pursuant to § 56-79 of the Code of Virginia to examine the books and records of any affiliate in connection with the authority granted herein, whether or not such affiliate is regulated by this Commission.

COMMONWEALTH OF VIRGINIA  
BEFORE THE  
STATE CORPORATION COMMISSION

Application of

VIRGINIA NATURAL GAS, INC.,  
Principal Applicant, and

AGL RESOURCES INC. and  
AGL SERVICES COMPANY,  
Affiliate Applicants

Case No. PUF02-00515

For Authority to Issue Short-Term Debt,  
Long-Term Debt and Common Stock to an  
Affiliate under Chapters 3 and 4, Title 56  
of the Code of Virginia

APPLICATION FOR AUTHORITY TO ISSUE SHORT-TERM DEBT,  
LONG-TERM DEBT AND COMMON STOCK TO AFFILIATE UNDER  
CHAPTERS 3 AND 4, TITLE 56 OF THE CODE OF VIRGINIA

Application for Authority under the Securities Act  
Case No. PUF01  
September 16, 2002  
Page 6

12. Because the proposed financing transactions will be private transactions,  
expenses relating to the proposed financing program will be de minimis and will be  
borne by the Applicants.

13. VNU's Condensed Financial Statements dated as of June 30, 2002

Exhibit A – Case No. PUF01  
Financing Summary  
Virginia Natural Gas, Inc., et al.  
Page 5 of 5

B) Even though the rate of interest to be used for the long-term debt is not known at this time, it will be lower than VNG could expect to obtain on its own were it not affiliated with AGLR.

C) There is no market price for VNG's common stock from which to make any meaningful comparisons with book value.

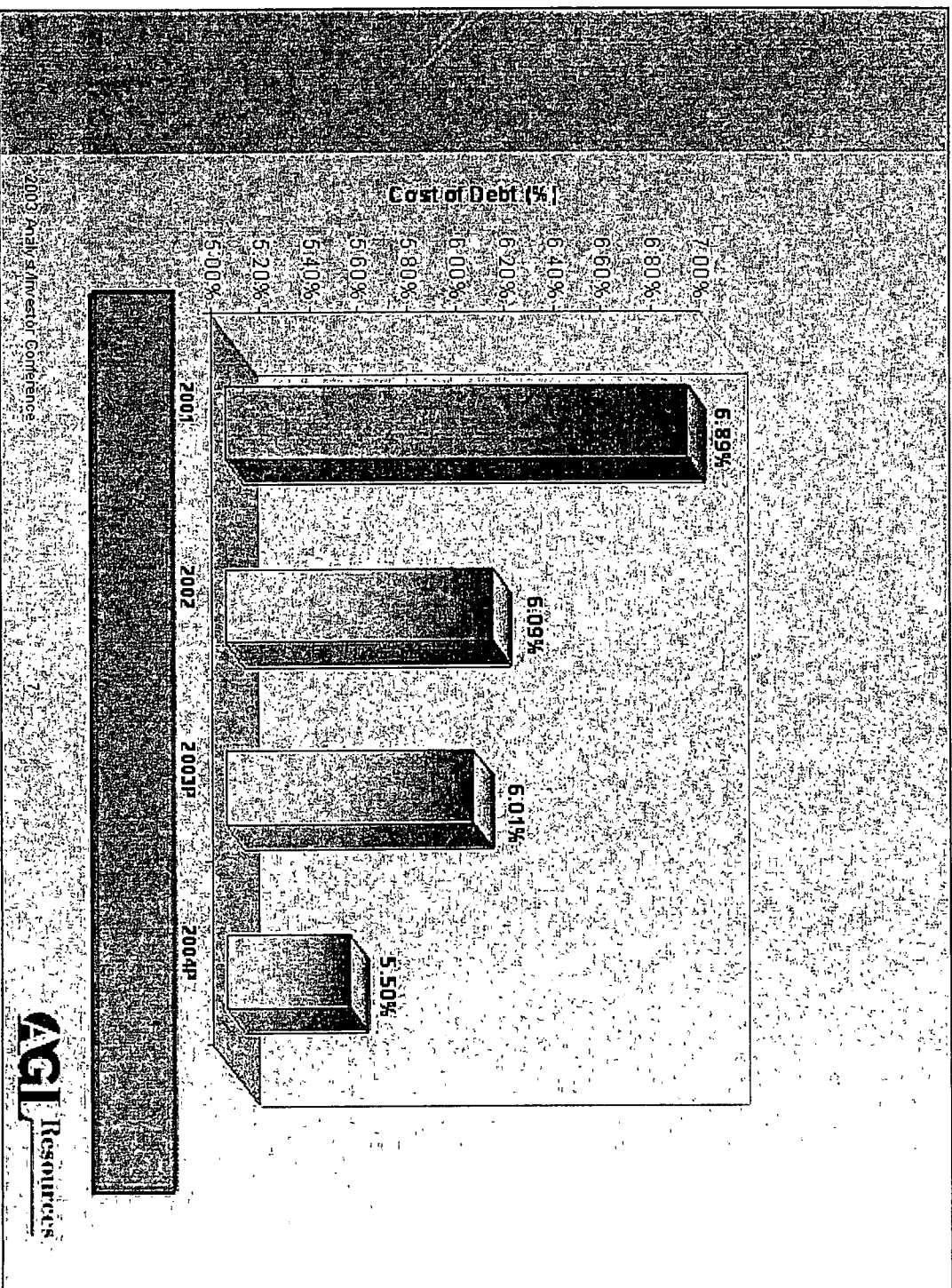
**PARENT COMPANY LOAN TO SUBSIDIARY  
SEC FORM U-6B-2**

Docket No. 04 00034  
Exhibit CAPD SB  
Direct Testimony  
Schedule 8  
Page 1 of 1

U-6B-2 1 aglformu6b2.htm U-6B-2	
UNITED STATES	
SECURITIES AND EXCHANGE COMMISSION	
Washington, D C 20549	
<b>Form U-6B-2</b>	
<b>Certificate of Notification</b>	
Filed by AGL Resources Inc	
On behalf of Virginia Natural Gas, Inc	
Filed by a registered holding company or subsidiary thereof pursuant to Rule 52 adopted under the Public Utility Holding Company Act of 1935	
This certificate is notice that Virginia Natural Gas, Inc, a subsidiary of AGL Resources Inc, a registered holding company, has issued, renewed or guaranteed the security or securities described herein which issue, renewal or guaranty was exempted from the provisions of section 6(a) of the Act and was neither the subject of a declaration or application on Form U-1, nor included within the exemption provided by Rule U-48	
1	
Type of security or securities	
Subordinated unsecured promissory note	
2	
Issue, renewal or guaranty	
Issue	
3	
Principal amount of each security	
	\$20,312,763 00
4	
Rate of interest per annum of each security	
	8 30%
5	
Date of issue, renewal or guaranty of each security	
	15-Jul-01
6	
If renewal of security, give date of original issue	
N/A	
7	
Date of maturity of each security	
	15-Jul-31
8	
Name of the person to whom each security was issued, renewed or guaranteed	
AGL Resources Inc	
9	
Collateral given with each security, if any	
N/A	
10	
Consideration received for each security	
The note is in respect of dividends declared by Virginia Natural Gas, Inc payable to AGL Resources Inc	
11	
Application of proceeds of each security	
The proceeds of the note will be used in the ordinary course of business	
12	
Indicate by a check after the applicable statement below whether the issue, renewal or guaranty of each security was exempt from the provision of Section 6(a) because of	
(a) the provisions contained in the first sentence of Section 6(b)	
(b) the provisions contained in the fourth sentence of Section 6(b)	
(c) the provisions contained in any rule of the Commission other than Rule U-48 <input checked="" type="checkbox"/>	
13	
If the security or securities were exempt from the provisions of Section 6(a) by virtue of the first sentence of Section 6(b), give the figures which indicate that the security or securities aggregate (together with all other then outstanding notes and drafts of a maturity of nine months or less, exclusive of days of grace, as to which such company is primarily or secondarily liable) not more than 5 per centum of the principal amount and par value of the other securities of such company then outstanding	
N/A	
14	
If the security or securities are exempt from the provisions of Section 6(a) because of the fourth sentence of Section 6(b), name the security outstanding on January 1, 1935, pursuant to the term of which the security or securities herein described have been issued	
N/A	
15	
If the security or securities are exempt from the provisions of Section 6(a) because of any rule of the Commission other than Rule U-48, designate the rule under which exemption is claimed	
Rule 52(a)	
Virginia Natural Gas, Inc	
Title President	
Date July 25, 2003	

# AGL RESOURCES DECLINING COST OF DEBT PRESENTED AT INVESTORS CONFERENCE OF NOV 17-18, 2003

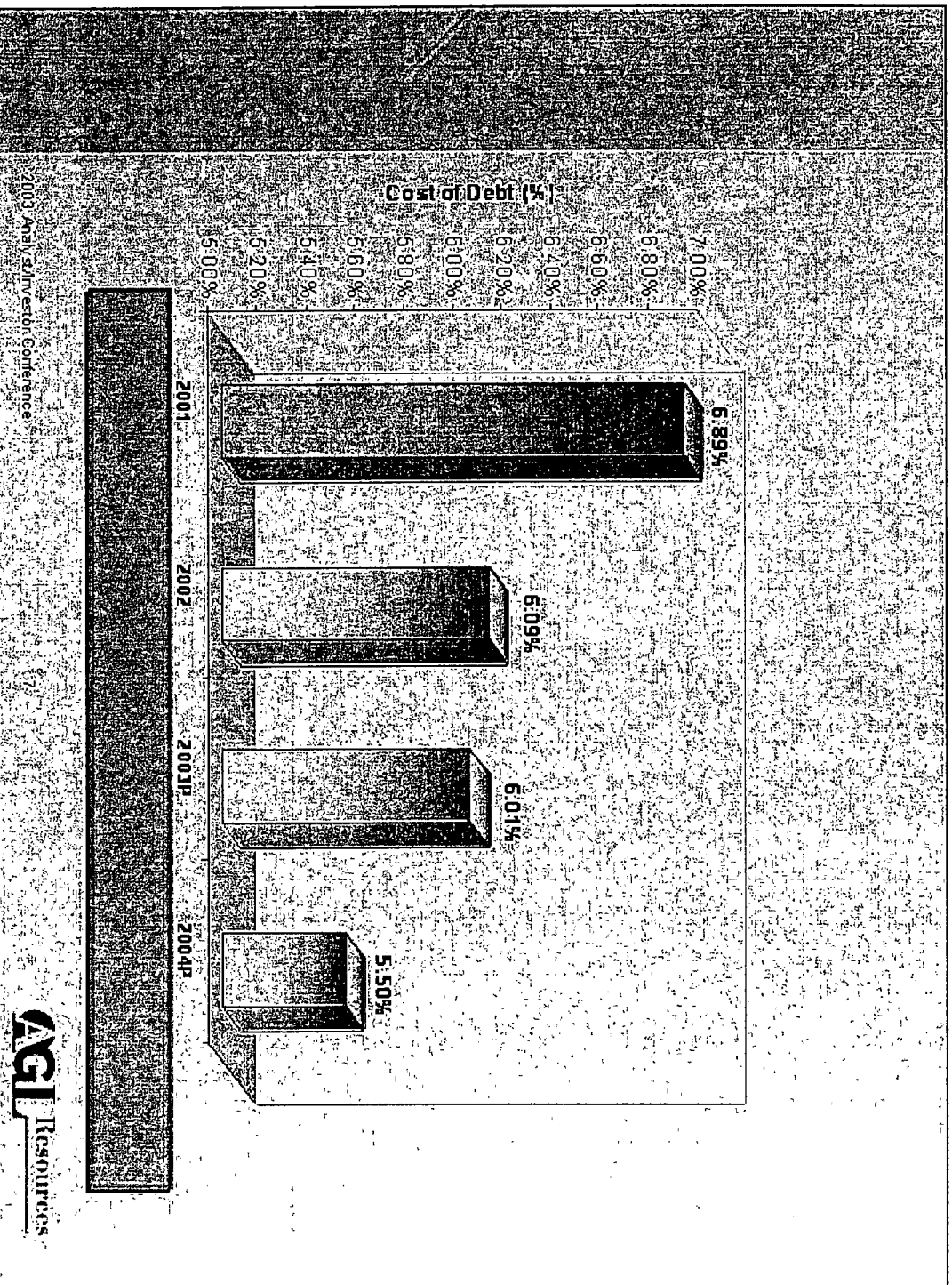
Docket No. 04-00034  
 Exhibit CAPD SB  
 Direct Testimony  
 Schedule 9  
 Page 1 of 1





# AGL RESOURCES DECLINING COST OF DEBT PRESENTED AT INVESTORS CONFERENCE OF NOV 17-18, 2003

Docket No 04 00034  
Exhibit CAPD SB  
Direct Testimony  
Schedule 9  
Page 1 of 1



7-6  
10-1-85  
TENNESSEE PUBLIC SERVICE COMMISSION  
CORDELL HULL BUILDING  
NASHVILLE, TENNESSEE 37219

JAMES KING, CHAIRMAN  
FRANK COCHRAN, COMMISSIONER  
KEITH RISSELL, COMMISSIONER



BOB DAVIS, DEPUTY DIRECTOR  
HENRY M. WALTER, GENERAL COUNSEL

JULY 3, 1985

IN RE: PETITION OF TENNESSEE-AMERICAN WATER  
COMPANY TO PLACE INTO EFFECT A REVISED  
TARIFF

DOCKET NO. U-93-7226

ON REMAND

PETITION OF TENNESSEE-AMERICAN WATER  
COMPANY TO PLACE INTO EFFECT A REVISED  
TARIFF

DOCKET NO. U-85-7338

O R D E R

Attached hereto is a copy of the Commission's order dated  
July 3, 1985 relating to the above captioned docket.

Sincerely,

*Bob Davis*  
Bob Davis  
Deputy Director

Exhibit CAPD-SB \_\_\_\_\_  
Direct Testimony \_\_\_\_\_

Schedule 10 \_\_\_\_\_

Page 1 of 3 \_\_\_\_\_

JANE ESKIND, CHAIRMAN

**KEITH BISSELL**, *University of Michigan*

CORNELL HULL BUILDING

NASHVILLE, TENNESSEE 37219

BOB DAVIS, FACTORY DIRECTOR  
HENRY M. WALKER, GENERAL

HENRY M. WALKER, General

July 3, 1985

IN RE: PETITION OF TENNESSEE-AMERICAN WATER  
COMPANY TO PLACE INTO EFFECT A REVISED

DOCKET NO. U-83-7226

## CON. REMAID

PETITION OF J. HENNESSY, AMERICAN WATER  
 COMPANY TO PLACE INTO EFFECT A REVISED

POCKET NO: U-85-7338

OFFICE

Attached hereto is a copy of the Commission's order dated

## References

Self-Quarantined  
Bob Davis

Bob Davis, Director

The Commission adopts the double leverage capital structure advocated by Dr. Westfield for setting rates in this case. Dr. Westfield has used the double leverage capital structure for the Company as of December 31, 1994 because this capital structure reflects the latest balance sheet data based on the actual accounts of the Company. Tr. 354-35. He did not use the Company's projected capital structure for the year ending June 30, 1995, because this projected capital structure was based on a projection of the Company's future earnings and dividends. Tr. 355. Future earnings are not known until the Commission makes a decision in this case. The parent company's desire for dividends as opposed to retained earnings may also affect the projected capital structure. Dr. Westfield testified that the capitalization ratios of a company, the size of Tennessee American's debt, fluctuate over time because of major new financing, especially bonds and preferred stock. Tr. 355. Therefore, we conclude that the December 31, 1994 capital structure of Dr. Westfield based on the latest balance sheet data available will serve as an appropriate target capitalization ratio for setting rates in this case.

The Company argues that the Commission should reject double leverage and ignore the parent-subsidy relationship between AMWC and the Company. Dr. Murrin testified that the Commission should pretend that Tennessee American's equity capital is raised in the marketplace, and using AMWC and other comparable companies as surrogates for the Company, try to guess what the market cost of the Company's equity capital would be if its stock were publicly traded.

The double leverage approach reflects that fiction. The Company does not sell its stock to the public; all of its stock is financed by its parent corporation, AMWC. Thus, the Company's cost of equity is not determined by the impersonal forces of the financial market, but by board room decisions made by a parent corporation which controls, to a great extent, the ultimate cost of a subsidiary's equity. "General Telephone Co. of the Southwestern v. Public Utility Commission of Texas, No. 13, 49 (U.S. App. 1964). The double leverage approach recognizes the financial benefits of the Company's leveraged capital structure and allows the ratepayers to share in the advantages of the Company's parent-subordinate relationship.

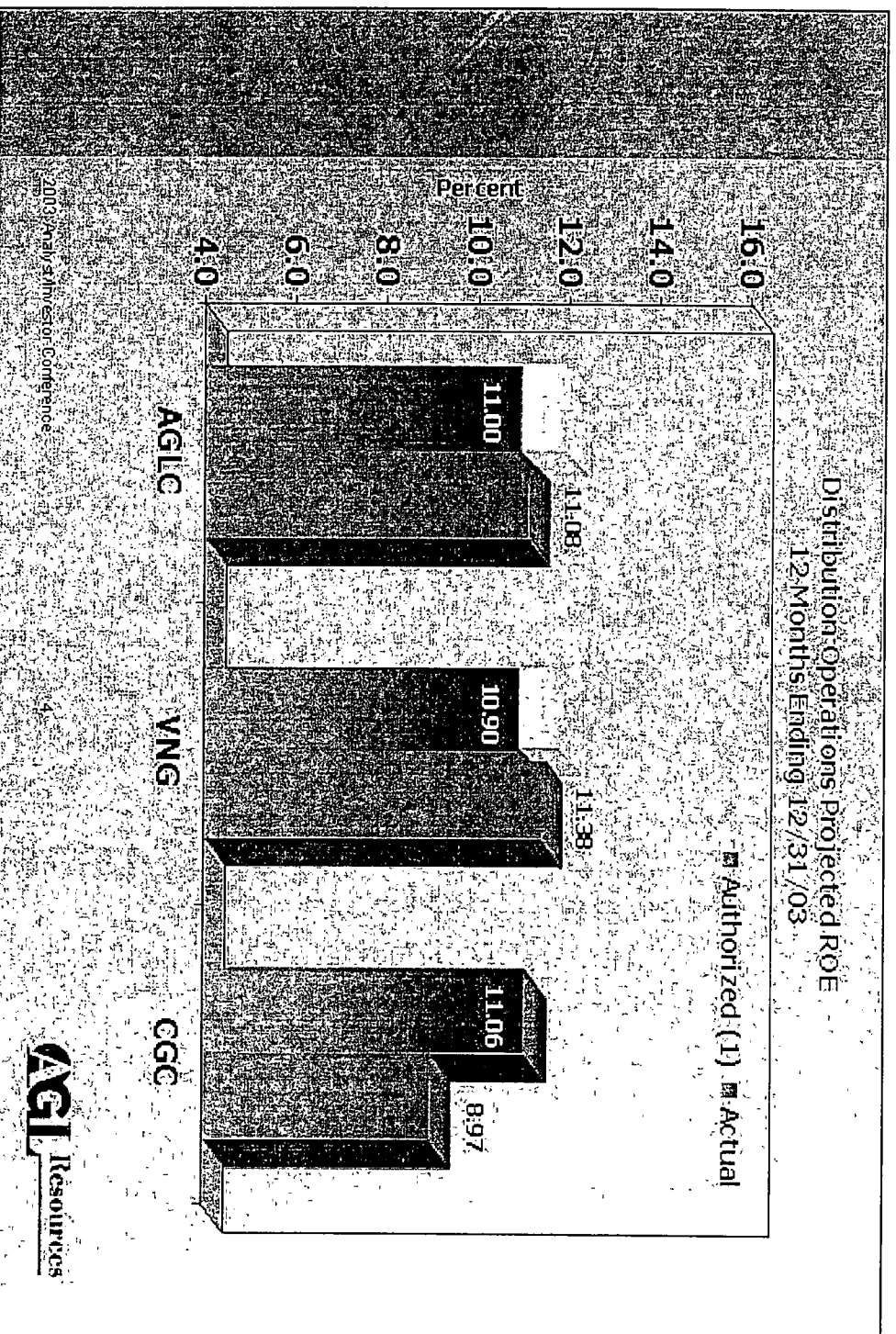
To ignore the effect of leverage at the parent level would result in the regulated utility's earning more than its cost of capital and would produce a windfall return for AMWC's stockholders in excess of the authorized return set by this Commission. All of the benefits of leverage would flow to the shareholders and none to the ratepayers. As Dr. Westfield testified:

If Dr. Korin were to account for the amount of common equity investment for each of AMWC's subsidiaries using his method, he would end up with a total equity investment by AMWC's stockholders in the assets of the operating subsidiaries that is far greater than is their actual investment in these assets. The difference is accounted for by the assets financed with parent company debt and preferred stock. Furthermore, he would conclude that the cost of the common equity of all the subsidiaries, when priced at the cost of equity to AMWC, is substantially greater than it actually is. The amount is the difference between costs to the parent of common equity and the embedded cost of its debt and preferred stock that is actually incurred. With Dr. Morin's theory, the rate payers of AMWC's subsidiaries are asked to pay for the cost of AMWC common stock that doesn't even exist. Tr. 359.

**AGLR DISTRIBUTION SUBS  
ACTUAL RETURN ON EQUITY - SEPT. 30 2002  
PRESENTED AT CONFERENCE OF NOV 6-8, 2002**

SLIDE 12 OF:		
AGL Resources		
Analyst Conference		
November 6-8, 2002		
Miami, Florida		
Authorized Versus Actual Returns		
[The following information is presented in graphic format]		
AGL Resources Utility Operations		
Return on Equity 12 Months Ended September 30, 2002		
	Percent of Return	
	Authorized	Actual
AGLC	12.00 (1)	11.85 (2)
CGC	11.00 (1)	10.53
VNG	11.06	8.73 (3)
(1) The authorized ROE is 11.00%. The top of the earnings band is 12.00%. The Company can also include 1/2 of VNG Synergies in calculating the return prior to sharing		
(2) Represents 5 months under new rates and 7 months under previous rates		
(3) Based on actual weather		
12		

# AGLR DISTRIBUTION SUBS RETURN ON EQUITY - DEC 31 2003 PRESENTED AT INVESTORS CONFERENCE NOV 17-18, 2003

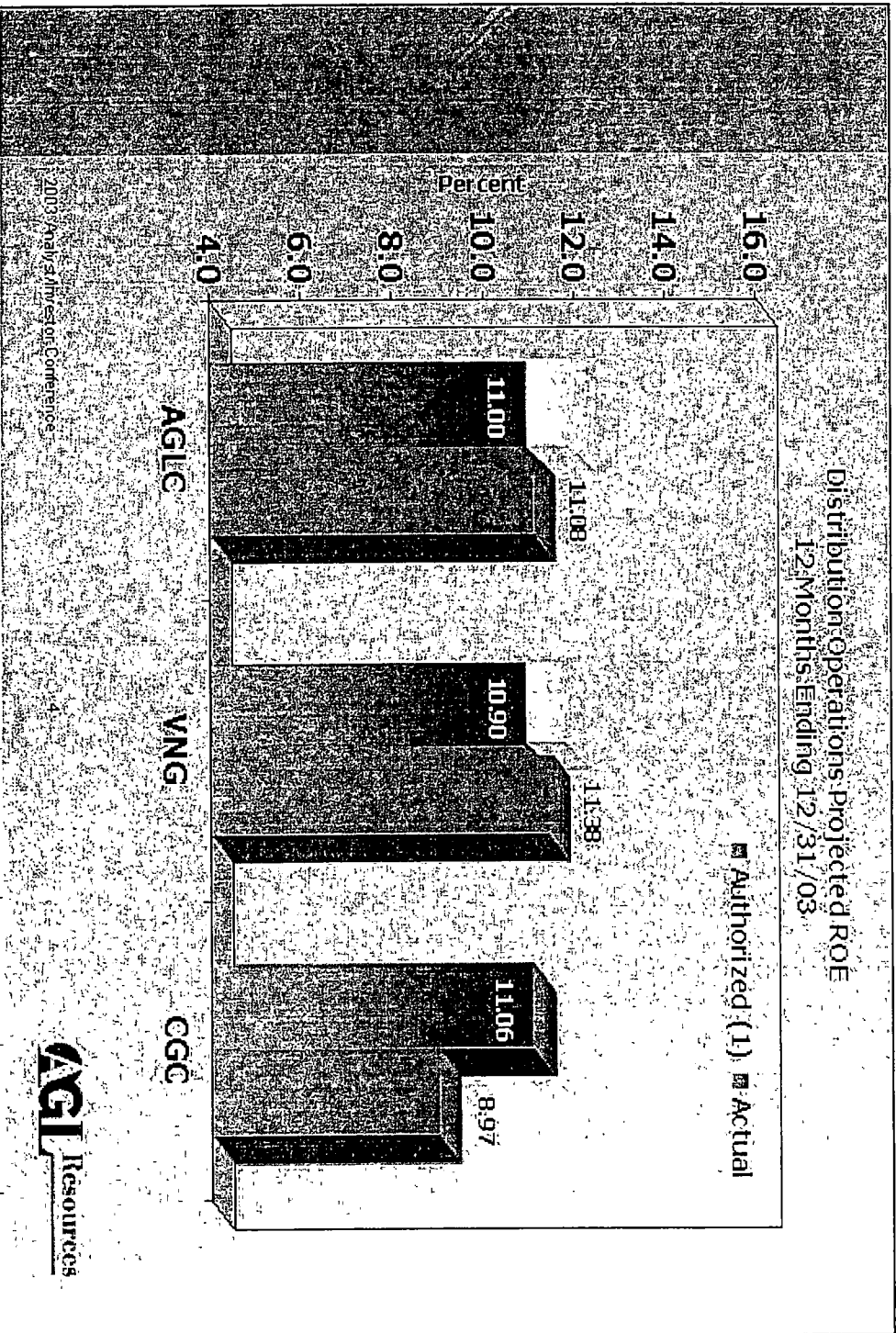


CAPD NOTE: The Title Below Appeared Later in the Slide Show

Rate Relief or No Rate Relief?



# AGLR DISTRIBUTION SUBS RETURN ON EQUITY - DEC 31 2003 PRESENTED AT INVESTORS CONFERENCE NOV 17-18, 2003



CAPD NOTE. The Title Below Appeared Later in the Slide Show

**Rate Relief or No Rate Relief?**





# Virginia Natural Gas

Weather Normalization Adjustment

Experimental Program

Case No. PUE-2002-00237

Annual Report

Filed July 15, 2003

Docket No. 04 00034  
Exhibit CAPD SB \_\_\_\_\_  
Direct Testimony \_\_\_\_\_  
Schedule 14 \_\_\_\_\_  
Page 1 of 1 \_\_\_\_\_

Page 10

# VSCC WNA CASE

Docket No 04 00034  
 Exhibit CAPD SB \_\_\_\_\_  
 Direct Testimony \_\_\_\_\_  
 Schedule 15 \_\_\_\_\_  
 Page 1 of 1 \_\_\_\_\_

## Twelve Months Ended May 2003 for Jurisdictional Operations

	Actual Per Books Including Net WNA Credits to Customers	Adjusted to Exclude Net WNA Credits to Customers	Decrease Due to WNA
Return on Rate Base	8.91%	9.20%	-0.29%
Return on Equity	10.90%	11.46%	-0.56%

Note: Adjusted returns were calculated by removing the effect of the WNA credits, net of income taxes.


# Derivation of AGL Resources Cost of Short-Term Debt Step 1 - Evidence From AGL's Past Performance

Analysis of AGL Resources Short-term Debt Cost - Source AGL Resources SEC form U-6B-2 Filed Mar 22 2001													
Date	Amount in Millions	Interest Rate	Weighted Interest Rate	Date	Amount in Millions	Interest Rate	Weighted Interest Rate	Date	Amount in Millions	Interest Rate	Weighted Interest Rate	Date	Amount in Millions
06-Oct-00	10	6.60	0.06144%	01-Nov-00	11.3	6.80	0.12635%	01-Dec-00	14.4	7.00	0.0943%	18-Dec-00	50
06-Oct-00	14	6.70	0.08732%	02-Nov-00	20	6.78	0.22121%	01-Dec-00	6	7.40	0.0415%	18-Dec-00	10
06-Oct-00	50	6.77	0.31512%	02-Nov-00	18	6.78	0.19809%	04-Dec-00	22	6.90	0.1420%	18-Dec-00	50
11-Oct-00	1	6.67	0.00621%	02-Nov-00	18	6.78	0.19809%	04-Dec-00	10	7.50	0.0702%	19-Dec-00	46
06-Oct-00	40	6.77	0.26209%	06-Nov-00	33	6.78	0.36499%	04-Dec-00	15	7.50	0.1052%	19-Dec-00	3
06-Oct-00	37	6.77	0.23319%	06-Nov-00	24	6.82	0.26101%	05-Dec-00	18	7.20	0.1212%	19-Dec-00	10
06-Oct-00	20	6.77	0.12805%	08-Nov-00	2.5	6.80	0.02773%	05-Dec-00	16.5	7.15	0.1104%	19-Dec-00	3
06-Oct-00	35	6.77	0.22058%	09-Nov-00	5	6.75	0.05506%	06-Dec-00	6.7	7.60	0.0476%	20-Dec-00	6
17-Oct-00	25	6.86	0.15965%	09-Nov-00	10	6.78	0.11060%	06-Dec-00	13.331	7.55	0.0942%	20-Dec-00	50
16-Oct-00	24	6.72	0.15014%	09-Nov-00	5	6.75	0.05506%	06-Dec-00	20	7.35	0.1375%	20-Dec-00	20
18-Oct-00	25	6.60	0.15360%	10-Nov-00	5	6.75	0.05506%	07-Dec-00	1	7.00	0.0069%	20-Dec-00	2
13-Oct-00	11.5	6.83	0.07312%	09-Nov-00	10	6.78	0.11060%	08-Dec-00	7.5	7.35	0.0491%	20-Dec-00	25
19-Oct-00	40	6.75	0.25135%	09-Nov-00	25	6.78	0.27651%	08-Dec-00	7.5	7.55	0.0530%	21-Dec-00	13
23-Oct-00	3.5	6.65	0.02167%	13-Nov-00	50	6.78	0.39817%	11-Dec-00	4	7.65	0.0286%	21-Dec-00	23
06-Oct-00	10	6.80	0.06330%	13-Nov-00	36	6.78	0.39817%	11-Dec-00	50	7.40	0.3461%	21-Dec-00	10
06-Oct-00	40	6.80	0.25321%	13-Nov-00	15	6.78	0.16591%	11-Dec-00	45	7.35	0.3094%	21-Dec-00	15
06-Oct-00	29.3	6.80	0.18548%	15-Nov-00	21.5	6.79	0.23815%	11-Dec-00	21	7.33	0.1440%	21-Dec-00	2.9
13-Oct-00	30	6.77	0.18907%	16-Nov-00	0.5	6.80	0.00555%	11-Dec-00	25	7.33	0.1714%	21-Dec-00	6
06-Oct-00	25.7	6.80	0.16269%	16-Nov-00	3	6.80	0.03328%	11-Dec-00	50	7.20	0.0808%	22-Dec-00	25
10-Oct-00	20	6.80	0.12661%	16-Nov-00	25	6.80	0.27732%	12-Dec-00	12	7.30	0.3428%	22-Dec-00	1
06-Oct-00	30	6.80	0.18991%	16-Nov-00	35	6.80	0.38825%	12-Dec-00	25.196	7.50	0.0688%	22-Dec-00	15.5
06-Oct-00	1	6.80	0.00633%	16-Nov-00	13	6.80	0.14421%	12-Dec-00	5	7.60	0.0355%	22-Dec-00	1
06-Oct-00	25	6.80	0.15626%	20-Nov-00	14.5	6.80	0.16085%	12-Dec-00	1	7.32	0.0068%	26-Dec-00	5.1
20-Oct-00	71	6.80	0.44945%	20-Nov-00	12	6.80	0.13312%	13-Dec-00	40	7.08	0.2649%	26-Dec-00	10.5
20-Oct-00	20	6.77	0.12605%	22-Nov-00	6.5	6.80	0.07210%	14-Dec-00	3	7.95	0.0223%	26-Dec-00	3
06-Oct-00	3	6.80	0.01899%	22-Nov-00	45.5	6.80	0.50473%	14-Dec-00	2	7.97	0.0373%	26-Dec-00	9.7
06-Oct-00	20	6.80	0.12661%	28-Nov-00	50	6.80	0.55465%	15-Dec-00	50	7.97	0.3728%	27-Dec-00	25
06-Oct-00	50	6.80	0.31651%	28-Nov-00	10	6.80	0.11093%	15-Dec-00	10	7.97	0.0746%	27-Dec-00	0.618
10-Oct-00	18.575	6.80	0.11759%	29-Nov-00	12	6.95	0.13605%					27-Dec-00	2
10-Oct-00	20	6.80	0.12661%	29-Nov-00	20	6.89	0.22480%					27-Dec-00	1.51
12-Oct-00	15.5	6.78	0.09783%	30-Nov-00	5	7.35	0.05995%					27-Dec-00	8.10
06-Oct-00	50	6.80	0.31651%	Mo Total	613		6.80831%					27-Dec-00	12
06-Oct-00	0.425	6.80	0.00269%									27-Dec-00	4.5
06-Oct-00	50	6.80	0.31651%									28-Dec-00	50
12-Oct-00	5	6.78	0.03156%									28-Dec-00	14
12-Oct-00	15	6.78	0.09468%									28-Dec-00	1.941
12-Oct-00	20	6.78	0.12623%									28-Dec-00	30
13-Oct-00	30	6.78	0.18935%									Mo Total	1069
06-Oct-00	20	6.80	0.12661%									GRAND TOTAL	2756
23-Oct-00	3.2	6.77	0.02017%										7.0876%
25-Oct-00	7.5	6.77	0.04727%										
27-Oct-00	14	6.78	0.08636%										
31-Oct-00	10	6.80	0.06330%										
31-Oct-00	10	6.80	0.06330%										
31-Oct-00	19	6.80	0.12028%										
Mo Total	1,074		6.77752%										

# Derivation of AGL Resources Cost of Short-Term Debt

## Step 2 - AGL Past Performance Compared to FRB Data

Docket No. 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 17\_\_\_\_  
Page 1 of 1\_\_\_\_

Released By Federal Reserve Board on 04/05/2004					
Rate of interest in money and capital markets					
Federal Reserve System					
Short-term or money market					
Private securities					
Commercial Paper					
Thirty-day maturity	Sixty-day maturity	Ninety-day maturity	Thirty-day maturity	Sixty-day maturity	Ninety-day maturity
Released on 04/05/2004	Released on 04/05/2004	Released on 04/05/2004	Released on 04/05/2004	Released on 04/05/2004	Released on 04/05/2004
cp1m	cp2m	cp3m	cp1m	cp2m	cp3m
----	----	----	----	----	----
09/1997 5 49	09/1997 5 48	09/1997 5 48	01/2001 5 74	01/2001 5 59	01/2001 5 49
10/1997 5 49	10/1997 5 48	10/1997 5 51	02/2001 5 39	02/2001 5 25	02/2001 5 14
11/1997 5 53	11/1997 5 59	11/1997 5 60	03/2001 5 02	03/2001 4 87	03/2001 4 78
12/1997 5 78	12/1997 5 71	12/1997 5 67	04/2001 4 71	04/2001 4 54	04/2001 4 44
01/1998 5 46	01/1998 5 44	01/1998 5 42	05/2001 4 06	05/2001 3 98	05/2001 3 93
02/1998 5 47	02/1998 5 44	02/1998 5 42	06/2001 3 82	06/2001 3 73	06/2001 3 67
03/1998 5 51	03/1998 5 49	03/1998 5 46	07/2001 3 71	07/2001 3 63	07/2001 3 59
04/1998 5 49	04/1998 5 48	04/1998 5 46	08/2001 3 54	08/2001 3 47	08/2001 3 42
05/1998 5 49	05/1998 5 49	05/1998 5 48	09/2001 2 96	09/2001 2 87	09/2001 2 81
06/1998 5 51	06/1998 5 50	06/1998 5 48	10/2001 2 40	10/2001 2 30	10/2001 2 28
07/1998 5 51	07/1998 5 50	07/1998 5 48	11/2001 2 03	11/2001 2 00	11/2001 1 97
08/1998 5 50	08/1998 5 50	08/1998 5 48	12/2001 1 84	12/2001 1 79	12/2001 1 78
09/1998 5 44	09/1998 5 37	09/1998 5 31	01/2002 1 70	01/2002 1 69	01/2002 1 70
10/1998 5 14	10/1998 5 08	10/1998 5 04	02/2002 1 76	02/2002 1 76	02/2002 1 79
11/1998 5 00	11/1998 5 14	11/1998 5 06	03/2002 1 78	03/2002 1 82	03/2002 1 86
12/1998 5 24	12/1998 5 12	12/1998 5 00	04/2002 1 76	04/2002 1 77	04/2002 1 81
01/1999 4 80	01/1999 4 78	01/1999 4 77	05/2002 1 75	05/2002 1 76	05/2002 1 78
02/1999 4 80	02/1999 4 80	02/1999 4 79	06/2002 1 74	06/2002 1 74	06/2002 1 76
03/1999 4 82	03/1999 4 82	03/1999 4 81	07/2002 1 74	07/2002 1 74	07/2002 1 75
04/1999 4 79	04/1999 4 78	04/1999 4 79	08/2002 1 72	08/2002 1 70	08/2002 1 70
05/1999 4 79	05/1999 4 80	05/1999 4 81	09/2002 1 73	09/2002 1 72	09/2002 1 72
06/1999 4 95	06/1999 4 98	06/1999 4 98	10/2002 1 72	10/2002 1 70	10/2002 1 70
07/1999 5 06	07/1999 5 08	07/1999 5 11	11/2002 1 34	11/2002 1 35	11/2002 1 36
08/1999 5 18	08/1999 5 23	08/1999 5 25	12/2002 1 31	12/2002 1 32	12/2002 1 31
09/1999 5 28	09/1999 5 29	09/1999 5 32	01/2003 1 25	01/2003 1 26	01/2003 1 26
10/1999 5 28	10/1999 5 30	10/1999 5 88	02/2003 1 24	02/2003 1 25	02/2003 1 26
11/1999 5 37	11/1999 5 82	11/1999 5 81	03/2003 1 21	03/2003 1 20	03/2003 1 19
12/1999 5 97	12/1999 5 91	12/1999 5 87	04/2003 1 22	04/2003 1 21	04/2003 1 20
01/2000 5 59	01/2000 5 67	01/2000 5 74	05/2003 1 21	05/2003 1 20	05/2003 1 19
02/2000 5 76	02/2000 5 81	02/2000 5 87	06/2003 1 06	06/2003 1 03	06/2003 1 01
03/2000 5 93	03/2000 5 96	03/2000 6 00	06/2003 1 06	06/2003 1 03	06/2003 1 01
04/2000 6 02	04/2000 6 06	04/2000 6 11	07/2003 1 01	07/2003 1 02	07/2003 1 01
05/2000 6 40	05/2000 6 47	05/2000 6 54	08/2003 1 03	08/2003 1 03	08/2003 1 04
06/2000 6 53	06/2000 6 55	06/2000 6 57	09/2003 1 02	09/2003 1 03	09/2003 1 04
07/2000 6 49	07/2000 6 50	07/2000 6 52	10/2003 1 02	10/2003 1 02	10/2003 1 05
08/2000 6 47	08/2000 6 48	08/2000 6 49	11/2003 1 02	11/2003 1 05	11/2003 1 06
09/2000 6 48	09/2000 6 47	09/2000 6 47	12/2003 1 03	12/2003 1 05	12/2003 1 05
10/2000 6 48	10/2000 6 48	10/2000 6 51	01/2004 0 99	01/2004 1 01	01/2004 1 01
11/2000 6 49	11/2000 6 52	11/2000 6 50	02/2004 0 99	02/2004 1 01	02/2004 1 01
12/2000 6 51	12/2000 6 42	12/2000 6 34			
			Average 12 Months Ending 02/2004 30, 60, and 90 days as a group	1 156%	
Av Comm Paper Rate For Period Covering AGL Reporting in March 2001 SEC U-6B-2 Form	6 47%		Average Comm Paper Rate Paid By AGL In Per March 2001 Report SEC U-6B-2 Form	7.08%	
AGLR Short-term Debt Cost: 1.156*( 7.08/6.47)=1 265					

AGL Resources  
Has Not Applied Preferred Stock To  
VNG's Capital Structure

Docket No. 04 00034  
Exhibit CAPD SB \_\_\_\_\_  
Direct Testimony \_\_\_\_\_  
Schedule 18 \_\_\_\_\_  
Page 1 of 2 \_\_\_\_\_

Exhibit A - Case No. PUF01 \_\_\_\_\_  
Financing Summary  
Virginia Natural Gas, Inc., et al.  
Page 5 of 5

**ITEM 4: IMPACT ON COMPANY**

- A) Change in capital structure due to issue: See Exhibit C  
B) Change in interest coverage due to issue: See Exhibit D

Exhibit C - Case No. PUF01 \_\_\_\_\_  
Pro Forma Change in Capital Structure  
Virginia Natural Gas, Inc., et al.  
Page 1 of 2

**Capital Structure Table  
As of June 30, 2002  
(Dollars in Millions)**

	Consolidated AGL Resources Inc.		VNG		Pro-forma VNG*	
	Amount	Percent to Total	Amount	Percent to Total	Amount	Percent to Total
Short-Term Debt	\$324.5	15.3%	(\$40.1)	-7.7%	\$100.0	18.7%
Current portion of LT Debt	48.0	2.3%	-	0.0%	-	0.0%
Long-Term Debt	797.0	37.5%	180.3	34.6%	250.0	46.7%
Preferred Stock	220.5	10.4%	-	0.0%	-	0.0%
Common Stockholders' Equity	734.8	34.6%	380.4	73.1%	185.4	34.6%
<b>Total Capitalization</b>	<b>\$2,124.8</b>	<b>100.0%</b>	<b>\$520.6</b>	<b>100.0%</b>	<b>\$535.4</b>	<b>100.0%</b>

\*Reflects net increase in interest expense due to change in money pool payable to \$100.0 million at 1.8% interest, reduction of money pool receivable, increase in long-term debt of \$69.7 million at 7.125% interest, removal of interest income of \$1.0 million, tax effect of 39.1%

Exhibit A - Case No. PUF01 \_\_\_\_\_  
Financing Summary  
Virginia Natural Gas, Inc., et al.  
Page 3 of 5

**Debt And/Or Preferred Stock Financing: Long-Term Debt Issue**



**Virginia Natural Gas**

5100 East Virginia Beach Blvd  
Norfolk, Virginia 23502-3488  
(757) 466 5400

December 5, 2003

Mr. Joel H. Peck, Clerk  
Virginia State Corporation Commission  
Tyler Building  
Document Control Center  
1300 East Main Street  
Richmond, Virginia 23218

APPLICATION FOR AUTHORITY TO ISSUE SHORT-TERM DEBT,  
LONG-TERM DEBT AND COMMON STOCK TO AFFILIATE UNDER  
CHAPTERS 3 AND 4, TITLE 56 OF THE CODE OF VIRGINIA

CASE No. PUE03-548

Dear Mr. Peck:

Enclosed for filing by Virginia Natural Gas, Inc. ("VNG") are one original and four copies of an Application for authority under Chapters 3 and 4 of Title 56 of the Code of Virginia to engage in certain financing transactions, including the issuance of securities to affiliates for the period January 1, 2004 to December 31, 2004.

**THE APPLICANTS**

1 VNG is a Virginia public service corporation providing natural gas service to customers in its service territory in Virginia. VNG is a wholly owned subsidiary of AGLR. VNG's corporate address is:

Virginia Natural Gas, Inc.  
5100 East Virginia Beach Boulevard  
Norfolk, Virginia 23502  
(757) 466-5502 (phone)

2 AGLR is a Georgia corporation operating as the holding company for natural gas distribution companies Atlanta Gas Light Company and Chattanooga Gas Company, and for interests in several non-utility subsidiaries and joint ventures. AGLR Services Company is a Georgia corporation and a wholly owned subsidiary of AGLR. AGLR is a registered "holding company" under the Public Utility Holding Company Act of 1935 Act ("1935 Act") and is subject to regulation as such by the Securities and Exchange Commission ("SEC"). AGLR's corporate address is:

**Capital Structure Table**  
As of June 30, 2003  
(Dollars in Millions)

	Consolidated AGL Resources Inc.		VNG		Pro forma VNG*	
	Amount	Percent to Total	Amount	Percent to Total	Amount	Percent to Total
Short-Term Debt	\$147.5	7.1%	(\$42.9)	-8.1%	\$100.0	18.3%
Current portion of LT Debt	95.3	4.6%	-	0.0%	-	0.0%
Long-Term Debt	696.8	33.8%	180.3	34.2%	250.0	45.7%
Preferred Stock	228.3	11.1%	-	0.0%	-	0.0%
Total Debt	1,167.9	56.6%	137.4	26.0%	350.0	64.0%
Common Stockholders' Equity	895.9	43.4%	390.3	73.9%	196.5	36.0%
Total Capitalization	\$2,063.8	100.0%	\$527.7	100.0%	\$546.5	100.0%

\*Reflects net increase in interest expense due to change in money pool payable to \$100.0 million at 1.5% interest; reduction of money pool receivable increase in long term debt of \$68.7 million at 4.45% interest; removal of interest income of \$1.0 million tax effect of 38.0%.

**The Market's Judgment:  
Length of Time Investors Hold Stock  
Before Selling**

Company Name	Company Ticker	Stock Outstanding Listed In Most Recent 10-K	On March 26, 2004 - - 100% TurnOver Since:	
AGL	ATG	63,700,000	02/24/2003	
Atmos	ATO	46,496,000	03/21/2003	
Keyspan	KSE	159,232,000	02/27/2003	
LaClede Group	LG	19,022,000	08/10/2001	
New Jersey Resources	NJR	27,127,000	09/16/2002	
NICOR	GAS	44,011,206	08/18/2003	
Northwest	NWN	26,061,000	09/27/2002	
Piedmont	PNY	33,441,000	02/05/2003	
Peoples	PGL	36,689,968	05/21/2003	
Southwest	SWX	34,232,000	03/05/2002	
WGL	WGL	48,612,000	11/29/2002	



Trading and Pricing History  
Last Full Trading Week of March 2004  
AGL Resources and Comparable Companies

Docket No. 04-00034  
Exhibit CAPD 5B  
Direct Testimony  
Schedule 19  
Page 2 of 2

Company	Ticker	Date	Prices			Shares Traded
			High	Low	Close	
AGL Resources	ATG	03/26/2004	28 23	28 05	28 06	136200
AGL Resources	ATG	03/25/2004	28 24	28 01	28 10	143500
AGL Resources	ATG	03/24/2004	28 49	28 04	28 04	108900
AGL Resources	ATG	03/23/2004	28 47	28 27	28 37	182000
AGL Resources	ATG	03/22/2004	28 59	28 26	28 27	166700
ATMOS	ATO	03/26/2004	25 24	25 05	25 14	147700
ATMOS	ATO	03/25/2004	25 38	25 07	25 25	165100
ATMOS	ATO	03/24/2004	25 47	25 18	25 18	193800
ATMOS	ATO	03/23/2004	25 64	25 38	25 40	222600
ATMOS	ATO	03/22/2004	25 87	25 36	25 49	318000
NICOR	GAS	03/26/2004	35 62	35 28	35 44	221200
NICOR	GAS	03/25/2004	35 72	35 44	35 54	258500
NICOR	GAS	03/24/2004	35 93	35 47	35 62	236400
NICOR	GAS	03/23/2004	36 15	35 75	35 76	199500
NICOR	GAS	03/22/2004	36 28	35 92	36 00	149500
KEYSPAN	KSE	03/26/2004	37 61	37 28	37 35	433600
KEYSPAN	KSE	03/25/2004	37 53	37 24	37 42	379500
KEYSPAN	KSE	03/24/2004	37 50	37 15	37 33	435300
KEYSPAN	KSE	03/23/2004	37 58	37 25	37 32	402600
KEYSPAN	KSE	03/22/2004	37 85	37 23	37 43	421400
LaClede Group	LG	03/26/2004	30 04	29 70	29 80	30000
LaClede Group	LG	03/25/2004	30 15	29 82	30 00	44700
LaClede Group	LG	03/24/2004	30 30	29 90	30 00	43600
LaClede Group	LG	03/23/2004	30 43	30 05	30 25	41000
LaClede Group	LG	03/22/2004	30 32	29 80	30 13	55100
New Jersey Resources	NJR	03/26/2004	37 40	37 11	37 19	92000
New Jersey Resources	NJR	03/25/2004	37 22	37 05	37 16	123000
New Jersey Resources	NJR	03/24/2004	37 13	36 90	36 96	157300
New Jersey Resources	NJR	03/23/2004	37 28	37 03	37 10	149700
New Jersey Resources	NJR	03/22/2004	37 26	36 81	37 02	205300
Northwest Natural Gas	NWN	03/26/2004	31 37	31 10	31 23	42300
Northwest Natural Gas	NWN	03/25/2004	31 36	31 06	31 29	40300
Northwest Natural Gas	NWN	03/24/2004	31 33	31 10	31 15	52800
Northwest Natural Gas	NWN	03/23/2004	31 47	31 20	31 20	35900
Northwest Natural Gas	NWN	03/22/2004	31 75	31 12	31 12	58400
Peoples	PGL	03/26/2004	43 85	43 59	43 59	99000
Peoples	PGL	03/25/2004	43 95	43 64	43 70	95100
Peoples	PGL	03/24/2004	44 37	43 72	43 79	143600
Peoples	PGL	03/23/2004	44 40	44 00	44 03	109900
Peoples	PGL	03/22/2004	44 78	44 17	44 23	169600
Piedmont	PNY	03/26/2004	41 38	41 00	41 28	80300
Piedmont	PNY	03/25/2004	41 40	40 70	41 30	89900
Piedmont	PNY	03/24/2004	41 47	41 07	41 21	94600
Piedmont	PNY	03/23/2004	41 50	41 10	41 13	98300
Piedmont	PNY	03/22/2004	42 15	41 68	41 70	114000
SouthWest	SWX	03/26/2004	23 00	22 85	22 92	76400
SouthWest	SWX	03/25/2004	23 02	22 85	22 89	82300
SouthWest	SWX	03/24/2004	23 12	22 82	22 90	68500
SouthWest	SWX	03/23/2004	23 25	22 90	23 00	71300
SouthWest	SWX	03/22/2004	23 20	22 81	23 07	96400
WGL Holding Co	WGL	03/26/2004	29 76	29 39	29 39	80400
WGL Holding Co	WGL	03/25/2004	29 79	29 40	29 76	67700
WGL Holding Co	WGL	03/24/2004	29 88	29 32	29 32	135300
WGL Holding Co	WGL	03/23/2004	29 75	29 50	29 69	95500
WGL Holding Co	WGL	03/22/2004	29 74	29 39	29 49	133000

Equity Returns in the United States:  
12 Months Ending February 2004

Docket No 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 20\_\_\_\_  
Page 1 of 1\_\_\_\_

Range of ROE In Percent	Number of Stocks In Range	Percent of Total	Cumulative Percent
Less than Zero	1730	31%	31%
Zero to 1	117	2%	33%
1 TO 2	142	3%	36%
2 TO 3	113	2%	38%
3 TO 4	134	2%	40%
4 TO 5	165	3%	43%
5 TO 6	186	3%	47%
6 TO 7	181	3%	50%
7 TO 8	191	3%	54%
8 TO 9	217	4%	57%
9 TO 10	208	4%	61%
10 TO 11	223	4%	65%
11 TO 12	222	4%	69%
12 TO 13	225	4%	73%
13 TO 14	180	3%	77%
14 TO 15	177	3%	80%
Above 15	1114	20%	100%
Total	5525		

Source: MorningStar - www.morningstar.com

**Comparison of Current Dividend Yields:  
MorningStar Data Vs. Value Line's Data**

Docket No 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 21 \_\_\_\_  
Page 1 of 1\_\_\_\_

	MorningStar Current Div Yields April 30, 2004	Value Line Div Yields From Dr Morin's Exhibits RAM-5 and RAM-6
ATO	4.90%	5 00%
KSE	4 90%	5 10%
LG	4 90%	4 60%
NJR	4.90%	3 40%
GAS	5 50%	5 50%
NWN	4.40%	4 30%
PNY	4 40%	5.30%
PGL	5 10%	4 00%
SWX	3.60%	3 70%
WGL	3 60%	4 80%
Average	4 62%	4 57%
Grand Average	4 60%	

**Comparison of Dividend Growth History:  
To Value Line's Projected Growth Rate**

Docket No 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 22\_\_\_\_  
Page 1 of 11\_\_\_\_

Atmos Dividend History					
	Annual Dividends	Increase From Prior Year	Five Yr Compound Growth Rate	Ten Yr Compound Growth Rate	Value Line Growth Rate From Exhibit RAM-6
1991	0.80				
1992	0.83	3.75%			
1993	0.85	2.41%			
1994	0.88	3.53%			
1995	0.92	4.55%			
1996	0.98	6.52%	4.14%		
1997	1.01	3.06%	4.00%		
1998	1.06	4.95%	4.51%		
1999	1.10	3.77%	4.56%		
2000	1.14	3.64%	4.38%		
2001	1.16	1.75%	3.43%	3.79%	
2002	1.18	1.72%	3.16%	3.58%	
2003	1.20	1.69%	2.51%	3.51%	9.00%

**Comparison of Dividend Growth History:  
To Value Line's Projected Growth Rate**

Docket No 04-00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 22\_\_\_\_  
Page 2 of 11\_\_\_\_

Nicor Dividend History					
	Annual Dividends	Increase From Prior Year	Five Yr Compound Growth Rate	Ten Yr Compound Growth Rate	Value Line Growth Rate From Exhibit RAM-6
1991	1.1200				
1992	1 1800	5.36%			
1993	1.2200	3 39%			
1994	1 2600	3.28%			
1995	1 2800	1.59%			
1996	1.3200	3.13%	3.34%		
1997	1 4000	6.06%	3.48%		
1998	1.4800	5 71%	3 94%		
1999	1 5600	5 41%	4.36%		
2000	1 6600	6 41%	5.34%		
2001	1 7600	6.02%	5.92%	4.62%	
2002	1 8400	4.55%	5.62%	4.54%	
2003	1.8600	1 09%	4.68%	4 31%	3.00%

**Comparison of Dividend Growth History:  
To Value Line's Projected Growth Rate**

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Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 22\_\_\_\_  
Page 3 of 11\_\_\_\_

KeySpan Dividend History					
	Annual Dividends	Increase From Prior Year	Five Yr Compound Growth Rate	Ten Yr Compound Growth Rate	Value Line Growth Rate From Exhibit RAM-6
1991					
1992					
1993					
1994					
1995	1.78				
1996	1.78	0.00%			
1997	1.78	0.00%			
1998	1.19	-33.15%			
1999	1.78	49.58%			
2000	1.78	0.00%			
2001	1.78	0.00%	0.00%		
2002	1.78	0.00%	0.00%		
2003	1.78	0.00%	8.39%		7.50%

**Comparison of Dividend Growth History:  
To Value Line's Projected Growth Rate**

Docket No 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 22 \_\_\_\_  
Page 4 of 11\_\_\_\_

Laclede Dividend History					
	Annual Dividends	Increase From Prior Year	Five Yr Compound Growth Rate	Ten Yr Compound Growth Rate	Value Line Growth Rate From Exhibit RAM-6
1991					
1992					
1993					
1994					
1995					
1996					
1997	1.3000				
1998	1.3200	1.54%			
1999	1.3400	1.52%			
2000	1.3400	0.00%			
2001	1.3400	0.00%			
2002	1.3400	0.00%	0.61%		
2003	1.3400	0.00%	0.30%		5.50%

**Comparison of Dividend Growth History:  
To Value Line's Projected Growth Rate**

Docket No. 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 22\_\_\_\_  
Page 5 of 11\_\_\_\_

New Jersey Dividend History					
	Annual Dividends	Increase From Prior Year	Five Yr Compound Growth Rate	Ten Yr Compound Growth Rate	Value Line Growth Rate From Exhibit RAM-6
1991	1.00				
1992	1.01	1.33%			
1993	1.01	0.00%			
1994	1.01	0.00%			
1995	1.01	0.00%			
1996	1.03	1.97%	0.66%		
1997	1.07	3.23%	1.03%		
1998	1.09	2.50%	1.53%		
1999	1.12	2.44%	2.02%		
2000	1.15	2.68%	2.56%		
2001	1.17	1.74%	2.52%	1.58%	
2002	1.20	2.56%	2.38%	1.71%	
2003	1.24	3.33%	2.55%	2.04%	8.50%



**Comparison of Dividend Growth History:  
To Value Line's Projected Growth Rate**

Docket No 04 00034  
Exhibit CAPD SB \_\_\_\_\_  
Direct Testimony \_\_\_\_\_  
Schedule 22 \_\_\_\_\_  
Page 6 of 11 \_\_\_\_\_

Northwest Dividend History					
	Annual Dividends	Increase From Prior Year	Five Yr Compound Growth Rate	Ten Yr Compound Growth Rate	Value Line Growth Rate From Exhibit RAM-6
1991					
1992	1 1470				
1993	1.1670				
1994	1.1730				
1995	1 1800				
1996	1 2000				
1997	1 2050		0.99%		
1998	1.2200	1 24%	0 89%		
1999	1 2250	0.41%	0.87%		
2000	1.2400	1 22%	1.00%		
2001	1 2450	0 40%	0 74%		
2002	1.2600	1 20%	0.90%	0.94%	
2003	1 2700	0 79%	0 81%	0 85%	5 00%

**Comparison of Dividend Growth History:  
To Value Line's Projected Growth Rate**

Docket No 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 22\_\_\_\_  
Page 7 of 11\_\_\_\_

Peoples Dividend History					
	Annual Dividends	Increase From Prior Year	Five Yr Compound Growth Rate	Ten Yr Compound Growth Rate	Value Line Growth Rate From Exhibit RAM-6
1991	1.7050				
1992	1 7500	2.64%			
1993	1.7750	1 43%			
1994	1 7950	1 13%			
1995	1 8000	0 28%			
1996	1 8300	1.67%	1 43%		
1997	1 8700	2.19%	1 34%		
1998	1 9100	2 14%	1.48%		
1999	1.9500	2.09%	1.67%		
2000	1 9900	2.05%	2 03%		
2001	2.0300	2 01%	2.10%	1.76%	
2002	2.0700	1 97%	2 05%	1.69%	
2003	2.1100	1.93%	2 01%	1.74%	4 00%

**Comparison of Dividend Growth History:  
To Value Line's Projected Growth Rate**

Docket No 04 00034  
Exhibit CAPD-SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 22\_\_\_\_  
Page 8 of 11\_\_\_\_

Piedmont Dividend History					
	Annual Dividends	Increase From Prior Year	Five Yr Compound Growth Rate	Ten Yr Compound Growth Rate	Value Line Growth Rate From Exhibit RAM-6
1991	0 87				
1992	0 91	4 60%			
1993	0 97	6.04%			
1994	1.03	6 22%			
1995	1 09	5.85%			
1996	1 15	5.53%	5.65%		
1997	1 21	5.24%	5.78%		
1998	1 28	6 22%	5.81%		
1999	1 36	6 25%	5.82%		
2000	1 44	5.88%	5.82%		
2001	1.52	5 56%	5 83%	5 74%	
2002	1 59	4 28%	5 64%	5 71%	
2003	1.65	3 79%	5.15%	5 48%	7 50%

**Comparison of Dividend Growth History:  
To Value Line's Projected Growth Rate**

Docket No 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 22 \_\_\_\_  
Page 9 of 11\_\_\_\_

Southwest Dividend History					
	Annual Dividends	Increase From Prior Year	Five Yr Compound Growth Rate	Ten Yr Compound Growth Rate	Value Line Growth Rate From Exhibit RAM-6
1991					
1992					
1993					
1994					
1995	0 82				
1996	0.82	0.00%			
1997	0 82	0 00%			
1998	0.82	0.00%			
1999	0.82	0 00%			
2000	0.82	0 00%			
2001	0 82	0 00%	0.00%		
2002	0.82	0.00%	0 00%		
2003	0 82	0.00%	0.00%		9 50%

**Comparison of Dividend Growth History:  
To Value Line's Projected Growth Rate**

Docket No 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 22 \_\_\_\_  
Page 10 of 11\_\_\_\_

WGL Dividend History					
	Annual Dividends	Increase From Prior Year	Five Yr Compound Growth Rate	Ten Yr Compound Growth Rate	Value Line Growth Rate From Exhibit RAM-6
1991	1.0500				
1992	1 0700				
1993	1 0850				
1994	1.1050				
1995	1.1175				
1996	1 1350	1.57%			
1997	1.1700	3 08%			
1998	1.1950	2 14%			
1999	1 2150	1.67%			
2000	1.2350	1.65%			
2001	1 2550	1 62%	2.03%	1 80%	
2002	1 2675	1.00%	1 61%	1.71%	
2003	1 2775	0 79%	1.34%	1 65%	7 00%

## Sources of Dividend Growth History:

Docket No 04-00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 22 \_\_\_\_\_  
Page 11 of 11\_\_\_\_\_

Sources. Company SEC Form Filed YYYY MM DD  
ATMOS ENERGY SEC 10-K 2003 11 15  
ATMOS ENERGY SEC 10-K405 2000 11 15  
ATMOS ENERGY SEC 10-K405 1995 12 12  
KEYSPAN CORP SEC 10-K 2000 03 10  
KEYSPAN CORP SEC 10-K 2004 03 11 01  
LACLEDE GROUP SEC 10-K 2003 11 21  
LACLEDE GROUP SEC 10-K405 2001 12 21  
NEW JERSEY SEC 10-K 1995 12 29  
NEW JERSEY SEC 10-K 2003 12 16 03  
NEW JERSEY SEC 10-K405 1999 12 28  
NICOR INC SEC 10-K 2004 02 20  
NICOR INC SEC 10-K405 1995 03 24  
NICOR INC SEC 10-K405 1999 03 19  
NORTHWEST NATURAL SEC 10-K 1998 03 17  
NORTHWEST NATURAL SEC 10-K 1999 03 29  
NORTHWEST NATURAL SEC 10-K 2004 03 09 01  
NORTHWEST NATURAL SEC 10-K405 1997 02 24  
PEOPLES ENERGY SEC 10-K 1999 12 22 01  
PEOPLES ENERGY SEC 10-K 2003 12 11  
PEOPLES ENERGY SEC 10-K405 1995 12 21  
PIEDMONT SEC SEC 10-K 2004 01 12  
PIEDMONT SEC SEC 10-K405 1995 01 12  
PIEDMONT SEC SEC 10-K405 2000 01 24  
SOUTHWEST GAS SEC 10-K 2004 03 12 01  
SOUTHWEST GAS SEC 10-K 2004 03 12 03  
WASHINGTON GAS SEC 10-K 1997 12 19  
WASHINGTON GAS SEC 10-K405 1995 12 14  
WGL HOLDINGS SEC 10-K 2001 12 20 01  
WGL HOLDINGS SEC 10-K A 2004 01 26 01

# History of Value Line Forecasting:

Docket No 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 23\_\_\_\_  
Page 1 of 2\_\_\_\_

Date of Value Line Forecast			Forecasts:			
Yr	Mo	Day	Forecast Period	Forecasted Annual Earnings/Shr	Forecasted Annual Div/Shr	Forecasted PayOut Ratio
1994	4	1	97-99	2 8	2.26	80 71%
1994	7	1	97-99	2 8	2 26	80 71%
1994	9	30	97-99	2 8	2.26	80 71%
1994	12	30	97-99	2 8	2 24	80 00%
1995	3	31	98-00	3	2 3	76 67%
1995	6	30	98-00	2 95	2 24	75 93%
1995	9	29	98-00	3 2	2 26	70 63%
1995	12	29	98-00	1 65	1 18	71 52%
1996	3	29	99-01	1 75	1 24	70 86%
1996	6	28	99-01	1 8	1 26	70 00%
1996	9	27	99-01	1 8	1 26	70 00%
1996	12	27	99-01	1 8	1 26	70 00%
1997	3	28	00-02	1 9	1 3	68 42%
1997	6	27	00-02	1.9	1 3	68 42%
1997	9	26	00-02	1 9	1 3	68 42%
1997	12	26	00-02	1 7	1 15	67 65%
1998	3	27	01-03	1 7	1 15	67 65%
1998	6	26	01-03	1 65	1 15	69 70%
1998	9	25	01-03	1 65	1 15	69 70%
1998	12	25	01-03	1 65	1.15	69 70%
1999	3	26	02-04	1 9	1 2	63 16%
1999	6	25	02-04	1 9	1 2	63 16%
1999	9	24	02-04	1 85	1 2	64 86%
1999	12	24	02-04	1 7	1 15	67 65%
2000	3	24	03-05	1 65	1 15	69 70%
2000	6	23	03-05	1 75	1 15	65 71%
2000	9	22	03-05	1 7	1 15	67 65%
2000	12	22	03-05	1 7	1 15	67.65%
2001	3	23	04-06	1 7	1 15	67 65%
2001	6	22	04-06	1 85	1.15	62 16%
2001	9	21	04-06	2 05	1 16	56.59%
2001	12	21	04-06	2 05	1 15	56 10%
2002	3	22	05-07	2 1	1 16	55 24%
2002	6	21	05-07	2 1	1 16	55 24%
2002	9	20	05-07	2 1	1 08	51 43%
2002	12	20	05-07	2 1	1 08	51 43%
2003	3	21	06-08	2 1	1 08	51 43%
2003	6	20	06-08	2 15	1.12	52 09%
2003	9	23	06-08	2.25	1 12	49 78%
2003	12	19	06-08	2 25	1 12	49 78%

**Error in Value Line Forecasting:**

AGL Resources Actual Performance				Value Line Forecast 5-Yrs Earlier				Errors in Value Line Forecast 5-Yr Forecast		
Financial Period	Earnings per share	Dividends per share	Actual PayOut Ratio	Value Line Forecast For	Forecasted PayOut Ratio	Forecasted Annual Earnings/Shr	Forecasted Annual Div/Shr	Percent Error In Value Line PayOut Ratio Forecast	Percent Error In Value Line Earnings Forecast	Percent Error In Value Line Dividends Forecast
Fiscal 1994	1 17	1 04	88 89%							
Fiscal 1995	0 50	1 04	208 00%							
Fiscal 1996	1 37	1 06	77 37%							
Fiscal 1997	1 37	1 08	78 83%							
Fiscal 1998	1 41	1 08	76 60%							
Fiscal 1999	1 30	1 08	83 08%	1999	80 71%	1 40	1 13	2 93%	7 69%	4 63%
Fiscal 2000	1 29	1 08	83 72%	2000	76 67%	1 50	1 15	9 20%	16 28%	6 48%
Fiscal 2001	1 63	1 08	66 26%	2001	70 86%	1 75	1 24	-6 49%	7 36%	14 81%
Calendar 2002	1 84	1 08	58 70%	2002	68 42%	1 90	1 30	-14 21%	3 26%	20 37%
Calendar 2003	2 03	1 11	54 68%	2003	67 65%	1 70	1 15	-19 17%	-16 26%	3 60%
					Average Forecast Error 99-02		►	-2.14%	8.65%	11.57%
					Average Forecast Error 99-03		►	-5.55%	3.67%	9.98%



**Comparison of Growth Rates:  
ZACK's and Yahoo**

Docket No 04 00034  
Exhibit CAPD SB\_\_\_\_  
Direct Testimony\_\_\_\_  
Schedule 24\_\_\_\_  
Page 1 of 1\_\_\_\_

Company Symbol	Zaks Growth Rate From Dr. Morin's Schedule RAM-5	*Yahoo Growth Rates
ATO	6 30%	4 00%
GAS	4.60%	3 00%
KSE	5 60%	5 00%
LG	3.00%	4 00%
NJR	6 30%	6 00%
NWN	4.20%	4 50%
PGL	4 00%	5 00%
PNY	5 20%	4 50%
SWX	5 50%	5 00%
WGL	3.90%	4 00%
Average	4 86%	4 50%
Grand Average		4 68%
* Yahoo Internet Path		
<a href="http://finance.yahoo.com/q/ae?s=TickerSy">http://finance.yahoo.com/q/ae?s=TickerSy</a>		

# MARKET WIDE RATE OF RETURN: 1925-2002

## Index of Returns To S & P 500 Companies

		Year-To-Year Percentage			Year-To-Year Percentage
	S & P 500 Company	Change In S & P 500 Company		S & P 500 Company	Change In S & P 500 Company
	Total Return Index	Total Return Index		Total Return Index	Total Return Index
YEAR	For Year	Index	YEAR	For Year	Index
(1)	(2)	(3)	(4)	(5)	(6)
1925	1 00		1964	47 14	16 48%
1926	1 12	11 60%	1965	53 01	12 45%
1927	1 54	37 54%	1966	47 67	-10 06%
1928	2 20	43 58%	1967	59 10	23 98%
1929	2 02	-8 44%	1968	65 64	11 06%
1930	1 52	-24 88%	1969	60 06	-8 50%
1931	0 86	-43 34%	1970	62 47	4 01%
1932	0 79	-8 15%	1971	71 41	14 31%
1933	1 21	53 87%	1972	84 96	18 98%
1934	1 20	-1 40%	1973	72 50	-14 66%
1935	1 77	47 62%	1974	53 31	-26 47%
1936	2 37	33 96%	1975	73 14	37 20%
1937	1 54	-35 02%	1976	90 58	23 84%
1938	2 02	31 08%	1977	84 08	-7 18%
1939	2 01	-0 40%	1978	89 59	6 56%
1940	1 81	-9 76%	1979	106 11	18 44%
1941	1 60	-11 59%	1980	140 51	32 42%
1942	1 93	20 29%	1981	133 62	-4 91%
1943	2 43	25 95%	1982	162 22	21 41%
1944	2 91	19 74%	1983	198 74	22 51%
1945	3 97	36 44%	1984	211 20	6 27%
1946	3 65	-8 07%	1985	279 11	32 16%
1947	3 85	5 71%	1986	330 67	18 47%
1948	4 07	5 50%	1987	347 97	5 23%
1949	4 83	18 79%	1988	406 46	16 81%
1950	6 36	31 70%	1989	534 46	31 49%
1951	7 89	24 03%	1990	517 50	-3 17%
1952	9 34	18 36%	1991	675 59	30 55%
1953	9 24	-0 99%	1992	727 41	7 67%
1954	14 11	52 62%	1993	800 08	9 99%
1955	18 56	31 56%	1994	810 54	1 31%
1956	19 78	6 56%	1995	1113 92	37 43%
1957	17 65	-10 78%	1996	1370 95	23 07%
1958	25 30	43 36%	1997	1828 37	33 37%
1959	28 32	11 95%	1998	2350 89	28 58%
1960	28 46	0 47%	1999	2845 63	21 04%
1961	36 11	26 89%	2000	2586 52	-9 11%
1962	32 96	-8 73%	2001	2279 13	-11 88%
1963	40 47	22 80%	2002	1775 34	-22 10%
*Source Ibbotson Associates 2003 Yearbook			ACTUAL RETURN	▶ 10 20%	12 20%
Columns (2), (5) - From Table B-1					▲
Columns (3), (6) - From Table A-1					ARITHMETIC AVERAGE

# RISK FREE RATE OF RETURN: 1925-2002

## Index of Returns To Three-Month Treasury Bills

		Year-To-Year			Year-To-Year
		Percentage			Percentage
	T-Bill	Change In		T-Bill	Change In
	Total	T-Bill		Total	T-Bill
	Return	Total		Return	Total
	Index	Return		Index	Return
YEAR	For Year	Index	YEAR	For Year	Index
(1)	(2)	(3)	(4)	(5)	(6)
1925	1 00000		1964	1 76000	3 53%
1926	1 03300	3 30%	1965	1 82900	3 92%
1927	1 06500	3 10%	1966	1 91600	4 76%
1928	1 10300	3 57%	1967	1 99700	4 23%
1929	1 15500	4 71%	1968	2 10100	5 21%
1930	1 18300	2 42%	1969	2 23900	6 57%
1931	1 19600	1 10%	1970	2 38500	6 52%
1932	1 20700	0 92%	1971	2 49000	4 40%
1933	1 21100	0 33%	1972	2 58500	3 82%
1934	1 21300	0 17%	1973	2 76400	6 92%
1935	1 21500	0 16%	1974	2 98600	8 03%
1936	1 21700	0 16%	1975	3 15900	5 79%
1937	1 22100	0 33%	1976	3 31900	5 06%
1938	1 22100	0 00%	1977	3 48900	5 12%
1939	1 22100	0 00%	1978	3 74000	7 19%
1940	1 22100	0 00%	1979	4 12800	10 37%
1941	1 22200	0 08%	1980	4 59200	11 24%
1942	1 22500	0 25%	1981	5 26700	14 70%
1943	1 22900	0 33%	1982	5 82200	10 54%
1944	1 23300	0 33%	1983	6 33500	8 81%
1945	1 23700	0 32%	1984	6 95900	9 85%
1946	1 24200	0 40%	1985	7 49600	7 72%
1947	1 24800	0 48%	1986	7 95800	6 16%
1948	1 25800	0 80%	1987	8 39300	5 47%
1949	1 27200	1 11%	1988	8 92600	6 35%
1950	1 28700	1 18%	1989	9 67300	8 37%
1951	1 30600	1 48%	1990	10 42900	7 82%
1952	1 32800	1 68%	1991	11 01200	5 59%
1953	1 35200	1 81%	1992	11 39800	3 51%
1954	1 36400	0 89%	1993	11 72800	2 90%
1955	1 38500	1 54%	1994	12 18600	3 91%
1956	1 41900	2 45%	1995	12 86800	5 60%
1957	1 46400	3 17%	1996	13 53800	5 21%
1958	1 48600	1 50%	1997	14 25000	5 26%
1959	1 53000	2 96%	1998	14 94200	4 86%
1960	1 57100	2 68%	1999	15 64100	4 68%
1961	1 60400	2 10%	2000	16 56300	5 89%
1962	1 64800	2 74%	2001	17 19700	3 83%
1963	1 70000	3 16%	2002	17 48000	1 65%
*Source Ibbotson Associates 2002 Yearbook			Actual Return	3 79%	3 83%
Column (2) - From Table B-9					▲
Column (3) - From Table A-14					
Column (5) - From Table B-9					
Column (6) - From Table A-14				Arithmetic "Average" Return	

Risk Premium Suggested Rate Of Return									
Company (Stock Exchange SYMBOL)	Yield (a)	Average April 2003-Mar 2004 (b)	Market Risk Premium = 10.20% - 3.79% (c)	Premium (d)=(b)X(c)	Cost (e)=(a)+(d)				
AGL Resources (NYSE ATG)	6.74%	0.253	6.41%	1.62%	8.36%				
Comparable Companies									
Atmos Energy Cp (NYSE ATO)	6.74%	0.019	6.41%	0.12%	6.86%				
Nicor Inc (NYSE GAS)	6.74%	0.349	6.41%	2.24%	8.98%				
KEYSPAN CORP (NYSE KSE)	6.74%	0.234	6.41%	1.50%	8.24%				
Laclede Group (NYSE LG)	6.74%	0.068	6.41%	0.44%	7.18%				
N J Resources (NYSE NJR)	6.74%	0.056	6.41%	0.36%	7.10%				
Northwest Natural (NYSE NWN)	6.74%	-0.141	6.41%	-0.90%	5.84%				
Peoples Energy (NYSE PGL)	6.74%	-0.034	6.41%	-0.22%	6.52%				
Piedmont Nat Gas (NYSE PNY)	6.74%	0.021	6.41%	0.14%	6.88%				
SOUTHWEST GAS (NYSE SWX)	6.74%	0.309	6.41%	1.98%	8.72%				
WGL Holdings Inc (NYSE WGL)	6.74%	0.127	6.41%	0.81%	7.55%				
** Av of Comparable Cos (Exc AGL)	6.74%	0.101	6.41%	0.65%	7.39%				
Risk Premium Suggested Rate Of Return					↓				
Using Value Line's Beta	6.74%	0.770	6.41%	4.94%	11.68%				

### Sources on the Internet

Company (Stock Exchange: SYMBOL)	AOL Online Yahoo (ComStock)      Lycos			CAPD Calculati on	Value Line
AGL Resources (NYSE:ATG)	(1) 0.24	(2) .27	(3) 0.27	(4) 0.27	(5) 0.75
Comparable Companies:					
Atmos Energy Cp (NYSE:ATO)	0.05	-.05	-0.04	-0.02	0.65
Nicor Inc (NYSE:GAS)	0.35	0.37	0.37	0.41	1.00
KEYSPAN CORP (NYSE:KSE)	0.40	0.33	NA	0.29	0.75
LaClede Group (NYSE:LG)	0.02	0.05	0.05	0.09	0.70
N J Resources (NYSE:NJR)	0.05	0.05	0.05	0.05	0.70
Northwest Natural (NYSE:NWN)	-0.15	NA	-0.11	-0.12	0.60
Peoples Energy (NYSE:PGL)	-0.05	-.05	-0.03	-0.04	0.75
Piedmont Nat Gas (NYSE:PNY)	0.03	0.02	0.02	0.02	0.70
SOUTHWEST GAS (NYSE:SWX)	0.18	0.19	0.19	0.21	0.75
WGL Holdings Inc (NYSE:WGL)	0.15	0.16	0.17	0.17	0.70

**Value Line Beta Is  
.35 + Two-Thirds of Calculated Beta**

Calculated Values "Masked" by Value Line Procedures	
Calculated Beta	Value Line Beta
0.00	0.35
0.10	0.42
0.20	0.48
0.30	0.55
0.40	0.62
0.50	0.68
0.60	0.75
0.70	0.82
0.80	0.88
0.90	0.95
1.00	1.02

# History Of Value Line Beta For AGL Resources

Docket No 04 00034

Exhibit CAPD SB \_\_\_\_\_

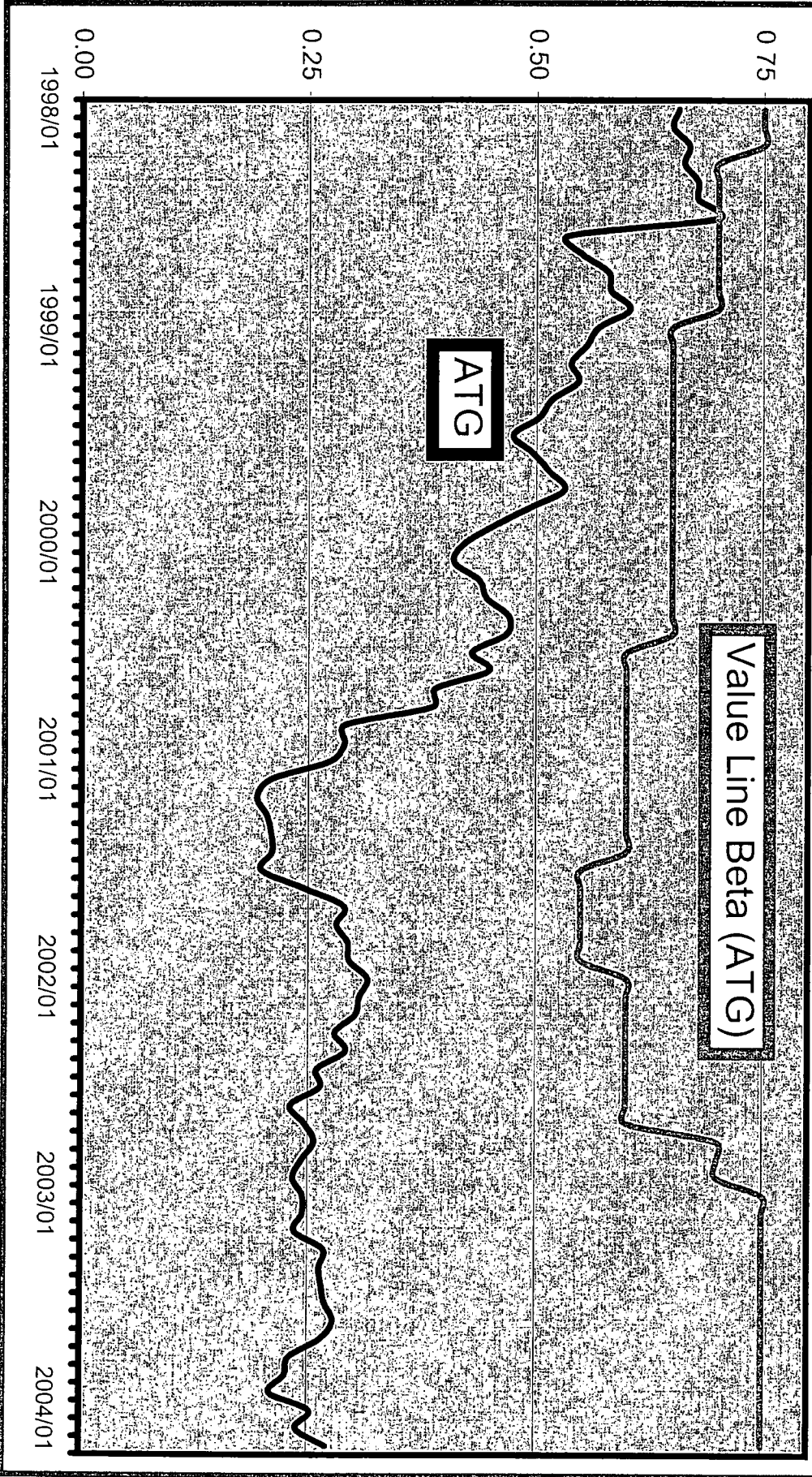
Direct Testimony \_\_\_\_\_

Schedule 30 \_\_\_\_\_

Page 1 of 1 \_\_\_\_\_

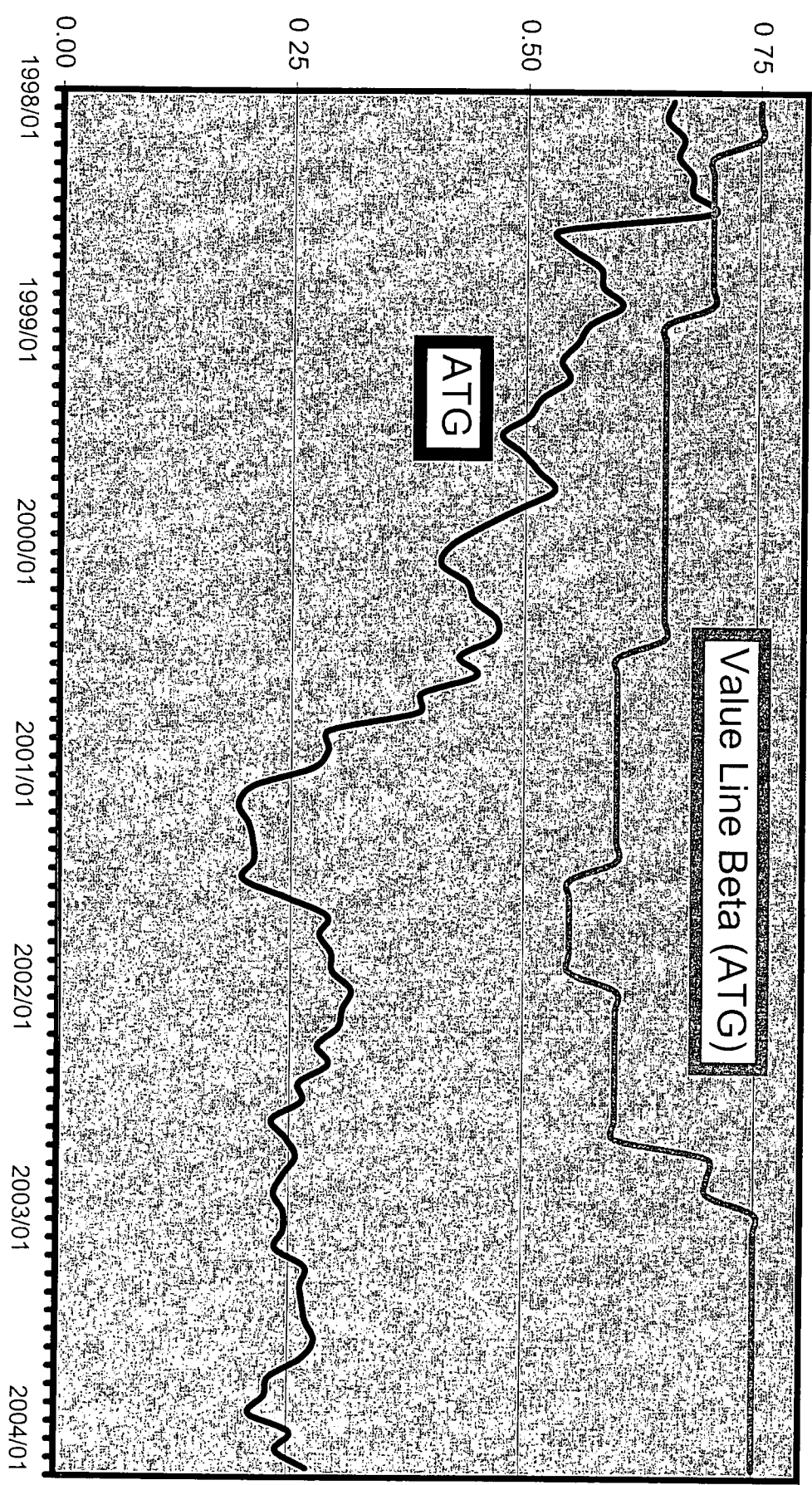
Date of Value Line Publication			Beta
Yr	Mo	Day	
1994	4	1	0 60
1994	7	1	0.60
1994	9	30	0.65
1994	12	30	0.65
1995	3	31	0.65
1995	6	30	0.65
1995	9	29	0.60
1995	12	29	0.70
1996	3	29	0 75
1996	6	28	0.75
1996	9	27	0 75
1996	12	27	0.75
1997	3	28	0 70
1997	6	27	0 70
1997	9	26	0 70
1997	12	26	0 75
1998	3	27	0.70
1998	6	26	0.70
1998	9	25	0.70
1998	12	25	0.65
1999	3	26	0 65
1999	6	25	0.65
1999	9	24	0 65
1999	12	24	0.65
2000	3	24	0.65
2000	6	23	0.60
2000	9	22	0 60
2000	12	22	0 60
2001	3	23	0 60
2001	6	22	0 55
2001	9	21	0.55
2001	12	21	0.60
2002	3	22	0 60
2002	6	21	0 60
2002	9	20	0.70
2002	12	20	0 75
2003	3	21	0.75
2003	6	20	0.75
2003	9	23	0.75
2003	12	19	0 75

# **AGL Resources Calculated Beta Vs. Value Line's Beta: Jan. 1998 - Jan. 2004**

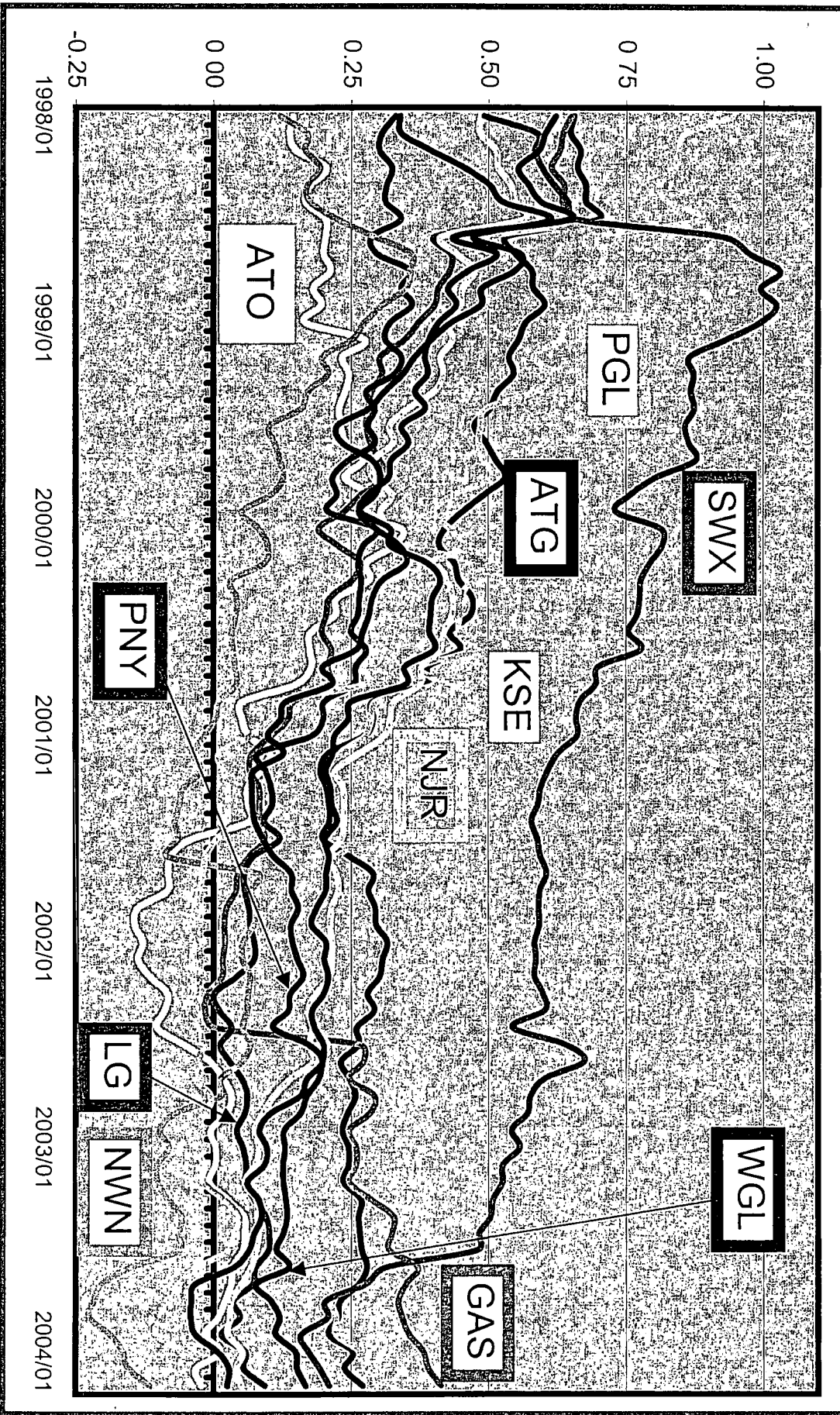




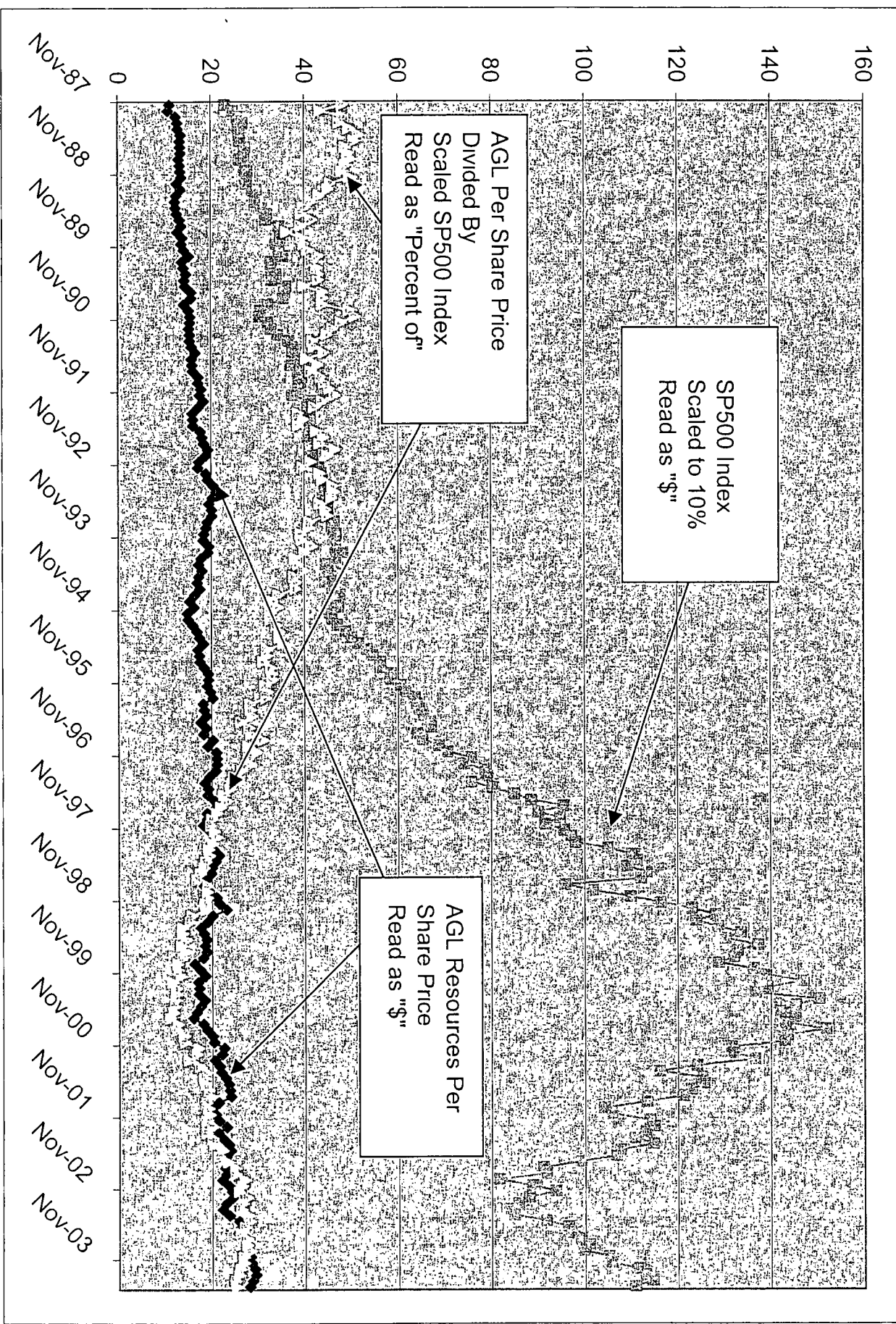
# AGL Resources Calculated Beta Vs. Value Line's Beta: Jan. 1998 - Jan. 2004



# Companies' Betas Change: Since Jan. 1998



# **Comparison of AGL Stock Price: Relative to SP500 Index**

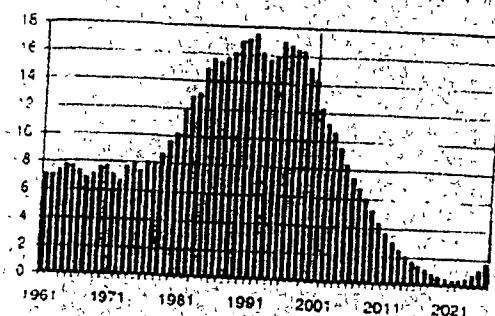


RISK PREMIUM ANALYSIS AGL RESOURCES AND COMPARABLE COMPANIES REGRESSED AGAINST S&P 500												
BETA FOR 60 MONTH PERIOD ENDING	AGL Resources (NYSE ATG)	Atmos Energy Cp (NYSE ATO)	Nicor Inc (NYSE GAS)	KEYSPAN CORP (NYSE KSE)	LaClede Group (NYSE LG)	N J Resources (NYSE NJR)	Northwest Natural (NYSE NWN)	Peoples Energy (NYSE P GL)	Piedmont Nat Gas (NYSE PNY)	SOUTHWEST GAS (NYSE SWX)	WGL Holdings Inc (NYSE W GL)	Value Line Beta (ATG)
1998/01	0.66	0.14	0.65	0.77	0.33	0.49	0.12	0.94	0.34	0.49	0.622	0.75
1998/02	0.65	0.14	0.64	0.77	0.31	0.48	0.17	0.86	0.34	0.59	0.604	0.75
1998/03	0.67	0.15	0.63	0.76	0.30	0.51	0.17	0.85	0.39	0.58	0.592	0.75
1998/04	0.66	0.20	0.61	0.74	0.32	0.52	0.19	0.84	0.46	0.60	0.555	0.70
1998/05	0.68	0.18	0.64	0.73	0.31	0.54	0.17	0.81	0.50	0.62	0.573	0.70
1998/06	0.68	0.17	0.63	0.70	0.31	0.55	0.18	0.83	0.53	0.64	0.595	0.70
1998/07	0.70	0.20	0.64	0.73	0.34	0.57	0.22	0.89	0.61	0.66	0.648	0.70
1998/08	0.53	0.20	0.40	0.50	0.29	0.42	0.29	0.70	0.47	0.93	0.438	0.70
1998/09	0.55	0.20	0.43	0.50	0.30	0.44	0.36	0.71	0.56	0.98	0.515	0.70
1998/10	0.58	0.21	0.43	0.51	0.36	0.48	0.36	0.70	0.55	1.03	0.463	0.70
1998/11	0.58	0.18	0.41	0.49	0.34	0.45	0.35	0.67	0.49	1.00	0.426	0.70
1998/12	0.60	0.20	0.40	0.50	0.36	0.45	0.31	0.68	0.49	1.02	0.441	0.70
1999/01	0.57	0.17	0.37	0.47	0.32	0.42	0.27	0.64	0.43	0.99	0.410	0.65
1999/02	0.56	0.27	0.35	0.45	0.31	0.43	0.25	0.63	0.40	0.93	0.392	0.65
1999/03	0.54	0.23	0.30	0.39	0.34	0.41	0.20	0.58	0.37	0.87	0.384	0.65
1999/04	0.55	0.25	0.31	0.40	0.33	0.42	0.21	0.62	0.34	0.87	0.389	0.65
1999/05	0.52	0.24	0.29	0.39	0.28	0.40	0.17	0.59	0.31	0.87	0.366	0.65
1999/06	0.50	0.23	0.28	0.40	0.29	0.35	0.16	0.50	0.28	0.87	0.384	0.65
1999/07	0.47	0.23	0.28	0.36	0.28	0.32	0.10	0.49	0.22	0.86	0.342	0.65
1999/08	0.50	0.24	0.28	0.35	0.29	0.33	0.11	0.48	0.23	0.86	0.354	0.65
1999/09	0.51	0.27	0.30	0.36	0.24	0.29	0.12	0.49	0.29	0.88	0.323	0.65
1999/10	0.53	0.24	0.31	0.35	0.22	0.29	0.13	0.51	0.30	0.80	0.318	0.65
1999/11	0.49	0.28	0.27	0.34	0.22	0.32	0.10	0.44	0.29	0.76	0.281	0.65
1999/12	0.45	0.24	0.24	0.30	0.21	0.30	0.05	0.40	0.26	0.73	0.266	0.65
2000/01	0.42	0.34	0.19	0.27	0.29	0.32	0.08	0.43	0.30	0.81	0.321	0.65
2000/02	0.41	0.33	0.23	0.31	0.27	0.32	0.10	0.45	0.34	0.82	0.321	0.65
2000/03	0.44	0.28	0.27	0.51	0.26	0.40	0.09	0.40	0.35	0.79	0.388	0.65
2000/04	0.45	0.28	0.25	0.47	0.27	0.42	0.03	0.33	0.31	0.78	0.412	0.65
2000/05	0.47	0.22	0.21	0.45	0.26	0.44	0.04	0.29	0.29	0.77	0.398	0.65
2000/06	0.47	0.22	0.20	0.45	0.26	0.43	0.04	0.29	0.28	0.77	0.394	0.65
2000/07	0.43	0.18	0.20	0.45	0.25	0.42	0.03	0.29	0.27	0.75	0.392	0.60
2000/08	0.45	0.17	0.21	0.47	0.28	0.41	0.04	0.30	0.26	0.78	0.401	0.60
2000/09	0.39	0.18	0.21	0.38	0.26	0.38	0.04	0.27	0.20	0.70	0.347	0.60
2000/10	0.39	0.15	0.21	0.40	0.25	0.38	0.04	0.27	0.21	0.70	0.350	0.60
2000/11	0.29	0.05	0.15	0.30	0.20	0.33	0.01	0.11	0.13	0.67	0.250	0.60
2000/12	0.29	0.05	0.14	0.29	0.20	0.32	0.00	0.10	0.12	0.66	0.245	0.60
2001/01	0.27	0.06	0.10	0.27	0.18	0.31	-0.02	0.07	0.10	0.66	0.219	0.60
2001/02	0.21	0.10	0.07	0.23	0.08	0.27	-0.04	0.01	0.13	0.63	0.216	0.60
2001/03	0.19	0.09	0.07	0.24	0.09	0.22	-0.02	0.02	0.07	0.61	0.204	0.60
2001/04	0.20	0.06	0.08	0.24	0.10	0.23	-0.06	0.03	0.07	0.60	0.212	0.60
2001/05	0.21	0.06	0.08	0.24	0.11	0.24	-0.06	0.03	0.07	0.59	0.214	0.60
2001/06	0.21	0.06	0.08	0.26	0.09	0.24	-0.07	0.02	0.07	0.58	0.223	0.60
2001/07	0.20	-0.04	0.09	0.26	0.12	0.23	-0.06	0.00	0.09	0.59	0.202	0.55
2001/08	0.25	-0.08	0.06	0.22	0.07	0.21	-0.08	-0.02	0.11	0.59	0.209	0.55
2001/09	0.29	-0.08	0.04	0.19	0.06	0.22	0.08	-0.02	0.14	0.61	0.204	0.55
2001/10	0.28	-0.08	0.04	0.19	0.06	0.23	0.07	-0.03	0.14	0.59	0.203	0.55
2001/11	0.29	-0.14	0.02	0.16	0.06	0.21	0.08	-0.04	0.15	0.59	0.187	0.55
2001/12	0.30	-0.14	0.02	0.15	0.07	0.21	0.07	-0.05	0.14	0.59	0.177	0.55
2002/01	0.32	-0.13	0.02	0.17	0.07	0.22	0.05	-0.04	0.14	0.58	0.204	0.60
2002/02	0.31	-0.14	0.02	0.17	0.07	0.21	0.05	-0.04	0.15	0.59	0.200	0.60
2002/03	0.30	-0.12	0.02	0.19	0.04	0.21	0.07	-0.04	0.16	0.58	0.207	0.60
2002/04	0.28	-0.08	-0.01	0.20	0.00	0.19	0.06	-0.04	0.14	0.60	0.199	0.60
2002/05	0.29	-0.09	-0.02	0.19	0.01	0.17	0.06	-0.05	0.13	0.60	0.178	0.60
2002/06	0.26	-0.10	0.00	0.19	0.03	0.18	0.05	-0.03	0.11	0.54	0.182	0.60
2002/07	0.26	-0.05	0.27	0.21	0.01	0.17	0.07	-0.02	0.17	0.64	0.199	0.60
2002/08	0.23	-0.01	0.27	0.21	0.03	0.18	0.05	-0.03	0.20	0.67	0.198	0.60
2002/09	0.25	0.02	0.25	0.20	0.05	0.14	0.01	-0.03	0.17	0.60	0.190	0.60
2002/10	0.26	0.03	0.29	0.22	0.06	0.11	0.01	-0.01	0.16	0.58	0.169	0.70
2002/11	0.24	0.02	0.28	0.19	0.06	0.09	-0.07	-0.01	0.10	0.57	0.157	0.70
2002/12	0.23	-0.01	0.25	0.18	0.04	0.07	-0.10	-0.05	0.08	0.54	0.127	0.70
2003/01	0.24	0.00	0.26	0.19	0.05	0.08	-0.08	-0.04	0.10	0.56	0.129	0.75
2003/02	0.24	0.00	0.26	0.18	0.06	0.07	-0.10	-0.02	0.09	0.53	0.126	0.75
2003/03	0.24	-0.01	0.25	0.17	0.06	0.06	-0.10	-0.02	0.06	0.53	0.126	0.75
2003/04	0.27	0.03	0.29	0.20	0.07	0.08	-0.08	0.02	0.08	0.51	0.131	0.75
2003/05	0.26	0.06	0.33	0.20	0.10	0.08	-0.06	0.05	0.09	0.50	0.133	0.75
2003/06	0.27	0.06	0.32	0.23	0.10	0.08	-0.06	0.04	0.07	0.48	0.125	0.75
2003/07	0.27	0.05	0.32	0.22	0.10	0.08	-0.06	0.03	0.06	0.48	0.114	0.75
2003/08	0.28	0.03	0.37	0.25	0.08	0.07	-0.15	-0.03	0.04	0.31	0.136	0.75
2003/09	0.26	0.03	0.35	0.23	0.07	0.05	-0.20	-0.06	-0.03	0.28	0.077	0.75
2003/10	0.23	0.02	0.34	0.21	0.04	0.03	-0.22	-0.09	-0.04	0.20	0.104	0.75
2003/11	0.23	0.01	0.34	0.22	0.05	0.03	-0.23	-0.10	-0.04	0.21	0.119	0.75
2003/12	0.21	-0.02	0.36	0.22	0.01	0.03	-0.19	-0.10	-0.03	0.16	0.113	0.75
2004/01	0.25	0.01	0.38	0.26	0.06	0.05	-0.16	-0.06	0.01	0.17	0.149	0.75
2004/02	0.24	-0.03	0.39	0.26	0.06	0.04	-0.15	-0.06	0.03	0.19	0.151	0.75
2004/03	0.27	-0.02	0.41	0.29	0.09	0.05	-0.12	-0.04	0.02	0.21	0.167	0.75
Average - Recent 12 Mos	0.25	0.02	0.35	0.23	0.07	0.06	-0.14	-0.03	0.02	0.31	0.13	0.75

## THE FOUR SCENARIOS THE TREND PROJECTION

EXHIBIT 14

**Net Interest Paid by the Federal Government**  
(Percent of federal government expenditures excluding investment)



Government. Federal discretionary spending is expected to remain under pressure throughout the projection period, as Washington attempts to mitigate the impacts of rapidly rising entitlement spending on the federal budget. As a share of GDP, federal government current expenditures will fall from their recent peak of almost 22.5% in 1992 to a low of 16.3% in 2011, before gradually rising to 18.7% by 2026. Personal transfer payments will expand as a share of government current expenditures, increasing from 42% last year to 59% by 2026.

Real military spending should decline between 2001 and 2026, as the nation continues to reap a peace dividend. In 2000 military spending garnered only 18% of total federal outlays, down from 28% as recently as 1988. The average defense share of federal outlays will average 15.48% during 2000-26.

Interest payments—the fastest-growing component of federal spending in recent years—rose from about an 8% share of the budget in 1976 to a 17.5% share in 1991, mostly due to the rapidly expanding federal debt (which climbed from 25% to 46% of GDP over the same period). This interest share should steadily fall to less than 2% after 2014 (Exhibit 14). After 28 years of deficit, the federal budget (unified basis) recorded a surplus in fiscal 1998. We expect surpluses to continue through 2020, and average 0.2% of GDP through fiscal 2026.

For much of the postwar period, state and local government spending was a leading "growth industry." Real municipal consumption and investment rose 4.4% annually from 1960 to 1975, boosting total state and local spending's share of GDP from 9.0% to 12.8%. This pattern then changed dramatically, as demand for state and local services slackened and resistance to higher taxes stiffened. In addition, real federal grants-in-aid were unchanged between 1975 and 1990, reducing their share of nominal state receipts from 23% to 17% over these years. Since then, rising Medicaid outlays have pushed this share back to 20%.

State and local consumption and investment have moderated since their robust advances of 1983-90, and should continue to rise less than 1.0% annually through the projection period. Spending, following revenues, will grow more slowly during the second half of the forecast interval than during the first half. Overall outlays will rise more rapidly than consumption and investment, the result of big increases in Medicaid outlays and retirement pensions.

International. The outlook for foreign trade is probably the most uncertain among all of the economy's sectors. The dollar's real exchange rate should decline through the forecast period. By 2026, the U.S. unit will be about 1.1% below its 2000 level.

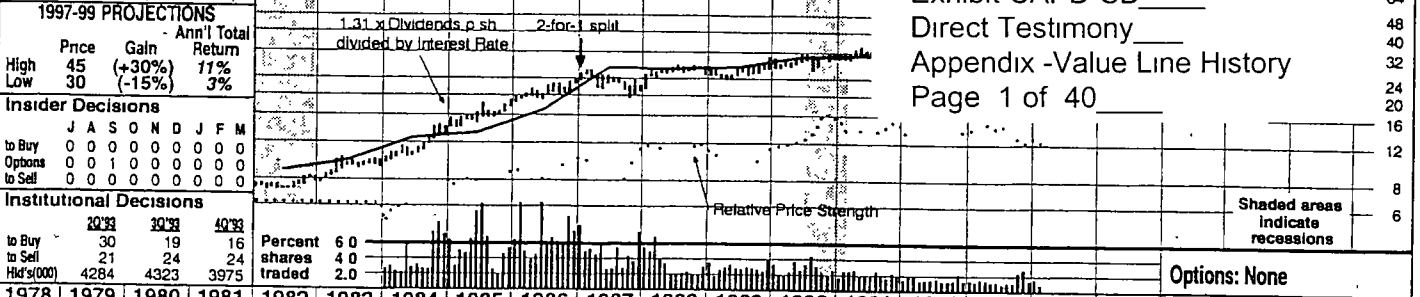
Contrary to the general postwar experience, the export share of GDP plummeted in the early 1980s, from 10% in 1980 to 7% in 1986. Helped by the weakening dollar and growing foreign economies, though, this share steadily improved to nearly 11% by 2000. After some weakness this year, real exports should again record healthy advances, averaging 6.6% annual gains through 2026. Meanwhile, real imports will also continue to climb rapidly, averaging 6.0% growth over the forecast interval.

Profits and Equities. Before-tax profits will hover between 7.6% and 9.0% of GNP, above the average share during the 1980s. Meanwhile, corporate cash flow will average 11.1% of GNP over the projection period, above the average of the past 25 years. The stable growth, modest inflation, and moderate real interest rates found in the trend outlook provide an excellent environment for equities over the next ten years, with stock prices enjoying steady 5.3% annual gains between 2001 and 2026.



# ATLANTA GAS LIGHT NYSE-ATG

<b>RECENT PRICE</b> 35	<b>P/E RATIO</b> 15.6 (Trailing 15.1 Median, 13.0)	<b>RELATIVE P/E RATIO</b> 0.95	<b>DIV'D YLD</b> 6.0%	<b>VALUE LINE</b> 471
<b>TIMELINESS</b> (Relative Price Performance Next 12 Mos) 4 Below Average	<b>SAFETY</b> (Scale 1 Highest to 5 Lowest) 2 Above Average	<b>BETA</b> 60 (1.00 = Market)	<b>1997-99 PROJECTIONS</b>	<b>Options: None</b>



1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	VALUE LINE PUB, INC. 97-99
48 06	60 27	77 11	91 44	104 23	96 54	92 00	74 85	55 17	52 48	45 94	43 26	45 17	40 52	40 88	45 47	46 80	49 25	Revenues per sh <sup>A</sup>
3.25	3.04	3.40	3.27	2.99	3.20	3.74	3.38	3.04	3.68	3.79	3.86	4.09	4.14	4.67	4.51	4.40	4.64	"Cash Flow" per sh
1.62	1.31	1.55	1.29	91	1.56	2.25	1.82	1.67	2.04	2.25	1.90	2.02	2.07	2.26	2.16	2.25	2.35	Earnings per sh <sup>B</sup>
68	72	75	84	90	96	1.08	1.26	1.40	1.60	1.76	1.88	1.96	2.04	2.06	2.08	2.09	2.12	Div'ds Decl'd per sh <sup>C</sup>
3.43	3.51	3.97	4.90	5.05	4.87	5.89	6.03	6.60	7.18	5.72	5.29	5.47	5.91	5.48	4.98	5.40	4.90	Cap'l Spending per sh
11 12	11 71	12 52	12 99	12 90	12 74	13 84	14 25	15 18	15 78	17 44	17 66	17 93	18 84	19 57	19 79	20 50	21 25	Book Value per sh <sup>D</sup>
9 07	9 07	9 07	9 07	9 26	11 54	13 32	15 56	18 28	18 74	21 24	21 70	22 16	23 79	24 33	24 86	25 90	26 40	Common Shs Outst'g <sup>E</sup>
48	61	48	59	83	57	47	83	118	115	111	137	142	153	155	179	179	179	Avg Ann'l P/E Ratio
65	88	64	72	91	48	44	67	80	77	92	104	105	98	94	105	94	105	Relative P/E Ratio
8.6%	9.1%	10.2%	11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.4%	5.4%	Avg Ann'l Div'd Yield

<b>CAPITAL STRUCTURE as of 12/31/93</b>	1225 7	1164 7	1008 3	983 5	975 6	938 7	1000 9	963 9	994 6	1130 3	1210	1300	Revenues (\$mill) <sup>A</sup>	1600
Total Debt \$739 3 mill Due in 5 Yrs \$15 0 mill	29 6	29 7	29 2	39 4	46 0	42 1	45 6	49 4	55 4	57 5	61 5	66 0	Net Profit (\$mill)	82 0
LT Debt \$509 8 mill LT Interest \$42 1 mill	47 8%	46 7%	46 0%	47 6%	31 8%	27 6%	31 7%	34 6%	31 8%	32 9%	32 0%	32 0%	Income Tax Rate	32 0%
(LT interest earned 3 4x, total interest coverage 3 0x)	2 4%	2 5%	2 9%	4 0%	4 7%	4 5%	4 6%	5 1%	5 5%	5 1%	5 1%	5 1%	Net Profit Margin	5 1%
<b>Leases, Uncapitalized Annual rentals \$6 0 mill</b>	48 6%	49 8%	49 4%	46 2%	49 3%	47 9%	50 2%	49 6%	49 5%	47 6%	47 5%	47 5%	Long-Term Debt Ratio	48 0%
<b>Pension Liability None</b>	45 3%	45 5%	46 9%	50 3%	48 2%	49 8%	47 8%	48 8%	49 0%	46 8%	47 0%	47 5%	Common Equity Ratio	48 0%
Pfd Stock \$58 7 mill Pfd Div'd \$4 4 mill	407 2	487 7	590 9	587 7	768 5	770 0	831 9	918 3	962 8	1050 7	1130	1180	Total Capital (\$mill)	1350
\$14 2 mill 4 50%-8 32% cum, callable at	492 2	560 7	652 1	757 7	866 5	979 1	1049 6	1141 6	1217 9	1281 3	1345	1420	Net Plant (\$mill)	1625
\$101 96-\$105 25, \$44 5 mill 7 70% cum	10 2%	8 8%	7 6%	9 0%	8 2%	7 8%	7 6%	7 6%	7 8%	7 5%	7 5%	7 5%	% Earned Total Cap'l	8 0%
<b>Common Stock 24,989,222 shs</b>	14 2%	12 1%	9 8%	12 5%	11 8%	10 5%	11 0%	10 7%	11 2%	10 4%	10 5%	10 5%	% Earned Net Worth	11 5%
<b>CURRENT POSITION</b> 1992 1993 12/31/93	15 0%	12 5%	9 9%	12 8%	12 0%	10 6%	11 2%	10 8%	11 4%	10 8%	10 5%	11 0%	% Earned Comm Equity	12 0%
Cash Assets 12 3 3	7 7%	3 8%	1 7%	2 8%	2 7%	2 9%	2 9%	2 9%	1 0%	4 9%	1 0%	1 0%	% Retained to Comm Eq	2 5%
Other 181 7 232 1 377 0	52%	72%	84%	79%	79%	98%	98%	98%	91%	96%	93%	90%	% All Div'ds to Net Prof	82%
Current Assets 182 9 235 4 381 3														
Acc'ts Payable 66 7 63 6 81 4														
Debt Due 258 6 132 1 229 5														
Other 89 4 77 0 90 7														
Current Liab 414 7 272 7 401 6														
Fix Chg Cov 246% 239% 253%														

**BUSINESS** Atlanta Gas Light Company provides natural gas service in 228 Georgia municipalities and surrounding areas including metropolitan Atlanta, Augusta, and Savannah, and in Chattanooga, Tennessee. Has about 1,280,900 customers. System throughput 266 4 Bcf in FY '93 vs 269 6 Bcf in FY '92. Purchased gas cost 62% of revs in FY '93 vs 59 5% in FY '92. Firm gas supply profile FY '93 Pipeline mktks, 54%, Major oil cos, 26%, Ind prod, 11%, Ind mktks 9% Revenue breakdown, FY '93 Residential, 58%, commercial, 24%, industrial, 14%, transport and other 4%. Depreciation rate 3 3%. Has about 3,764 employees, 18,000 shhldrs Pres & CEO David R Jones Inc Georgia Address 303 Peachtree St, N.E. Atlanta, GA 30308 Tel 404-584-4000

<b>Atlanta Gas Light's residential customers used more gas in the December quarter.</b> The increase in volumes was not related to weather, since it was actually warmer this year than last in AGL's service territory. However, much of the increase was the result of deliveries made in a single month, December. Even though it is not clear that this necessarily signals a trend towards increased usage by the utility's space-heating customers, we are cautiously optimistic that there might be some pickup in demand as the fiscal year continues to unfold (ends September 30th). But since the margin lost due to the Arcadian bypass in 1993 is primarily being recovered in the winter months, the utility's losses will probably be a little larger in the summer. Accordingly, we are maintaining our earnings estimate at \$2 25 a share for 1994. Share earnings might move to \$2.35 next year.	have bottomed out and are headed upward. In response, investors are requiring higher dividend yields on utility stocks before making a commitment. But we believe that the market has been too stingy in Atlanta's case, providing an opportunity for investors seeking current income. Some of the weakness in this equity's price is probably also related to the Georgia commission's latest rate order. Although it seems that the regulators want to keep a sharp eye on net income, they did approve the company's Integrated Resource Plan last year. This gives AGL the ability to build strategic load while embracing efficiency and conservation measures. Moreover, Atlanta's home-heating roster will probably continue to grow at 2.0%-2.5% a year through 1997-99, favorable for a utility of this size.
<b>The yield on AGL stock is attractive in comparison with that of other gas distributors.</b> It is no secret that utility equities have been adversely effected by the current uncertainty over interest rates. At this point, it appears that rates	<b>On the other hand, the current payout ratio does not leave much room for dividend growth.</b> The pace of dividend increases may well improve in the next 3 to 5 years, but income-oriented investors looking for a good risk-adjusted total return will probably do better elsewhere.
<b>Charles Clark</b>	<b>April 1, 1994</b>

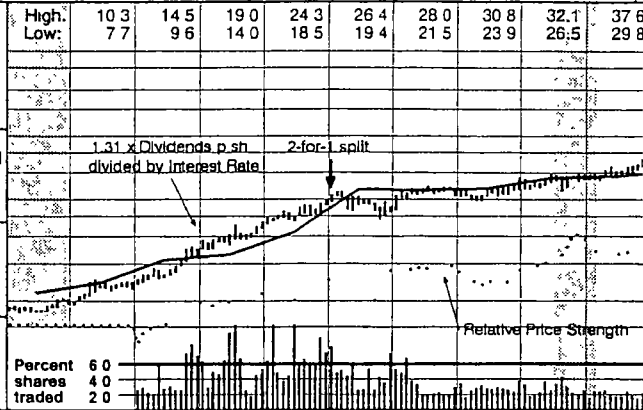
(A) Fiscal year ends September 30th  
 (B) Primary earnings Next yrs report due early May Excl extra gains '84, '37, '88, '15e  
 (C) Next dividend meeting early May  
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 Goes ex mid-May Approximate div'd payment dates March 1, June 1, Sept 1, Dec 1  
 Dividend reinvestment plan available  
 (D) Including deferred charges in '93  
 \$37 1 mill, \$1 49/sh  
 (E) In millions, adj'd for stock split  
 (F) In '91, '92, '93 Quarters do not add to total due to change in shares outstanding  
 Company's Financial Strength B+  
 Stock's Price Stability 95  
 Price Growth Persistence 85  
 Earnings Predictability 65  
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**TIMELINESS** (Relative Price Performance since Next 12 Mos) **4** Below Average  
**SAFETY** (Scale 1 Highest to 5 Lowest) **2** Above Average  
**BETA 60** (1.00 = Market)

**1997-99 PROJECTIONS**  
 Price Gain Return  
 High 45 (+30%) 11%  
 Low 30 (-15%) 3%

**Insider Decisions**  
 S O N D J F M A M  
 to Buy 0 0 0 0 0 0 0 0  
 Options 1 0 0 0 0 0 0 0  
 to Sell 0 0 0 0 0 0 0 0

**Institutional Decisions**  
 3Q93 4Q93 1Q94  
 to Buy 19 16 21  
 to Sell 24 24 22  
 Hld's(000) 4323 3975 4464



Docket No 04-00034  
 Exhibit CAPD-SB  
 Direct Testimony  
 Appendix -Value Line History  
 Page 2 of 40

1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	VALUE LINE PUB, INC	97-99
48 06	60 27	77 11	91 44	104 23	96 54	92 00	74 85	55 17	52 48	45 94	43 26	45 17	40 52	40 88	45 47	47 30	50 20	Revenues per sh <sup>A</sup>	57 25
3 25	3 04	3 40	3 27	2 99	3 20	3 74	3 38	3 04	3 68	3 79	3 86	4 09	4 14	4 67	4 51	4 80	5 00	"Cash Flow" per sh	5 60
1 62	1 31	1 55	1 29	91	1 56	2 25	1 82	1 67	2 04	2 25	1 90	2 02	2 07	2 26	2 16	2 35	2 45	Earnings per sh <sup>B</sup>	2 80
68	72	75	84	90	96	1 08	1 26	1 40	1 60	1 76	1 88	1 96	2 04	2 06	2 08	2 09	2 12	Div'ds Decl'd per sh <sup>C</sup>	2 26
3 43	3 51	3 97	4 90	5 05	4 87	5 89	6 03	6 60	7 18	5 72	5 29	5 47	5 91	5 48	4 98	5 40	4 90	Cap'l Spending per sh	4 85
11 12	11 71	12 52	12 99	12 90	12 74	13 84	14 25	15 18	15 78	17 44	17 66	17 93	18 84	19 57	19 79	20 65	21 50	Book Value per sh <sup>D</sup>	23 25
9 07	9 07	9 07	9 07	9 26	11 54	13 32	15 56	18 28	18 74	21 24	21 70	22 16	23 79	24 33	24 86	25 90	26 40	Common Shs Outst'g <sup>E</sup>	28 00
4 8	6 1	4 8	5 9	8 3	5 7	4 7	8 3	11 8	11 5	11 1	13 7	14 2	15 3	15 5	17 9	17 9	17 9	Avg Ann'l P/E Ratio	13 5
65	88	64	72	91	48	44	67	80	77	92	1 04	1 05	98	94	1 05	94	1 05	Relative P/E Ratio	1 05
8 6%	9 1%	10 2%	11 1%	12 0%	10 9%	10 1%	8 4%	7 1%	6 8%	7 1%	7 2%	6 8%	6 4%	5 9%	5 4%	5 4%	5 4%	Avg Ann'l Div'd Yield	6 0%

**CAPITAL STRUCTURE** as of 3/31/94  
 Total Debt \$569.5 mill Due in 5 Yrs Nil  
 LT Debt \$554.5 mill LT Interest \$43.3 mill  
 (LT interest earned '3.4x, total interest coverage 3.1x)

**Leases, Uncapitalized Annual rentals \$6.0 mill**

**Pension Liability None**

**Pfd Stock \$58.7 mill Pfd Div'd \$4.4 mill**  
 \$14.2 mill 4.50%-8.32% cum, callable at  
 \$101.96-\$105.25, \$44.5 mill 7.70% cum

**Common Stock 25,123,046 shs**

CURRENT POSITION	1992	1993	3/31/94
Cash Assets	12	33	80
Other	181.7	232.1	284.3
Current Assets	182.9	235.4	292.3
Accts Payable	66.7	63.6	67.3
Debt Due	258.6	132.1	15.0
Other	89.4	77.0	166.8
Current Liab	414.7	272.7	249.1
Fix Chg Cov	246%	239%	264%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '91-'93 to '97-'99
Revenues	-8.0%	-4.0%	5.0%
"Cash Flow"	3.5%	5.0%	3.0%
Earnings	5.5%	1.5%	4.5%
Dividends	8.5%	5.5%	1.5%
Book Value	4.0%	3.5%	3.0%

Fiscal Year Ends	Dec. 31	Mar. 31	Jun. 30	Sep. 30	Full Fiscal Year
1991	295.3	379.0	159.3	130.3	963.9
1992	300.2	395.3	176.0	123.1	994.6
1993	334.1	448.2	197.7	150.3	1130.3
1994	361.9	500.2	215.1	147.9	1225.1
1995	390	540	235	160	1325

Fiscal Year Ends	Dec. 31	Mar. 31	Jun. 30	Sep. 30	Full Fiscal Year
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1992	88	1.79	d.08	d.31	2.26
1993	87	1.79	d.14	d.34	2.16
1994	1.01	1.97	d.20	d.43	2.35
1995	1.05	2.00	d.20	d.40	2.45

Cal-endar	Mar. 31	Jun. 30	Sep. 30	Dec. 31	Full Year
1990	49	49	49	51	198
1991	51	51	51	51	204
1992	51	52	52	52	207
1993	52	52	52	52	208
1994	52	52			

**BUSINESS** Atlanta Gas Light Company provides natural gas service in 228 Georgia municipalities and surrounding areas including metropolitan Atlanta, Augusta, and Savannah, and in Chattanooga, Tennessee. Has about 1,280,900 customers. System throughput 266.4 Bcf in FY '93 vs 269.6 Bcf in FY '92. Purchased gas cost 62% of revs in FY '93 vs 59.5% in FY '92. Firm gas supply profile

**Atlanta Gas Light posted better-than-expected financial results over the heating season.** Despite temperatures averaging above the 30-year norm, residential heating customers continued to use more gas in the first six months of fiscal 1994 (ends September 30th). Although the reason for the greater demand from AGL's residential roster is not completely clear yet, it may well be reflective of the better economy in its service area. We are cautiously optimistic on this point.

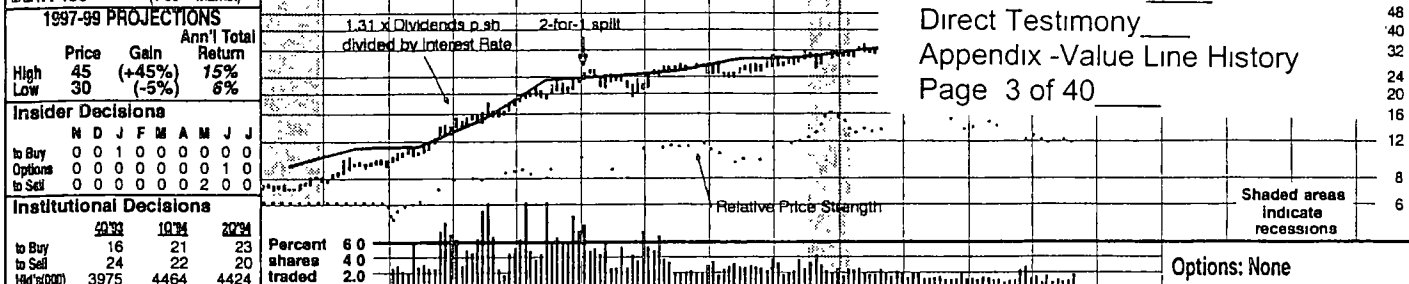
**AGL has filed for rate relief.** This plan, filed by the utility on March 31st to take effect October 1st, requests a \$40.5 million increase in yearly revenues and a 12.75% return on common equity. In addition, it has some interesting features that should benefit both ratepayers and shareholders. AGL is asking for a competitive pricing structure for interruptible sales, a proposal to share earnings above allowed levels with residential and other general service customers, and a minimum two-year moratorium on further rate case filings. The acceptance of some sort of competitive pricing will place the company in a better position to compete with interstate

pipelines for the delivery of gas to large industrial customers, limiting the threat of bypass of AGL's distribution system. This is surely a topical issue for the commission to consider, given federal regulators' continued drive towards establishing more competitive markets for the delivery of natural gas. We view earnings sharing as an incentive to management to garner the largest return available for shareholders. Ratepayers will also benefit from this part of the proposal, since a portion of any excess income over that allowed by regulators will be returned to them. The two-year moratorium on rate filings is a benefit to everyone involved since they are time consuming and expensive. The consumers' advocate and the adversary staff of the Georgia commission have recently endorsed competitive pricing. We believe that this augurs well for the approval of major parts of this innovative rate case.

**This investment-grade stock currently offers income-oriented investors a good dividend yield.** But the high payout ratio will likely limit dividend growth to 1.5%-2.0% a year through 1997-99.

Charles Clark  
 July 1, 1994

<b>TIMELINESS</b> (Relative Price Performance) since Next 12 Mos	<b>4</b> Below Average	High: 103 Low: 77	145 96	190 140	243 185	264 194	280 215	308 239	321 265	376 298	390 303	425 340	389 304	Target Price Range 1997   1998   1999
<b>SAFETY</b> (Scale 1 Highest to 5 Lowest)	<b>2</b> Above Average													
<b>BETA</b> .60 (1.00 = Market)														



1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	VALUE LINE PUB, INC	97-99
48.06	60.27	77.11	91.44	104.23	96.54	92.00	74.85	55.17	52.48	45.94	43.26	45.17	40.52	40.88	45.47	47.25	49.25	Revenues per sh <sup>A</sup>	57.25
3.25	3.04	3.40	3.27	2.99	3.20	3.74	3.38	3.04	3.68	3.79	3.86	4.09	4.14	4.67	4.51	4.70	4.85	"Cash Flow" per sh	5.60
1.62	1.31	1.55	1.29	.91	1.56	2.25	1.82	1.67	2.04	2.25	1.90	2.02	2.07	2.26	2.16	2.35	2.30	Earnings per sh <sup>B</sup>	2.80
.68	.72	.75	.84	.90	.96	1.08	1.26	1.40	1.60	1.76	1.88	1.96	2.04	2.06	2.08	2.08	2.08	Div'ds Decl'd per sh <sup>C</sup>	2.26
3.43	3.51	3.97	4.90	5.05	4.87	5.89	6.03	6.60	7.18	5.72	5.29	5.47	5.91	5.48	4.98	5.40	4.90	Cap'l Spending per sh	4.85
11.12	11.71	12.52	12.99	12.90	12.74	13.84	14.25	15.18	15.78	17.44	17.66	17.93	18.84	19.57	19.79	21.15	21.20	Book Value per sh <sup>D</sup>	23.25
9.07	9.07	9.07	9.07	9.26	11.54	13.32	15.56	18.28	18.74	21.24	21.70	22.16	23.79	24.33	24.86	25.40	26.40	Common Shs Outst'g <sup>E</sup>	28.00
4.8	6.1	4.8	5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.0		Avg Ann'l P/E Ratio	13.5
65	88	64	72	91	48	44	67	80	77	92	104	105	98	94	105	90		Relative P/E Ratio	1.05
8.6%	9.1%	10.2%	11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.8%		Avg Ann'l Div'd Yield	6.0%

<b>CAPITAL STRUCTURE as of 6/30/94</b>	1225.7	1164.7	1008.3	983.5	975.6	938.7	1000.9	963.9	994.6	1130.3	1200	1300	Revenues (\$mil) <sup>A</sup>	1600
Total Debt \$587.5 mil Due in 5 Yrs Nil	29.6	29.7	29.2	39.4	46.0	42.1	45.6	49.4	55.4	57.5	64.0	64.5	Net Profit (\$mil)	82.0
LT Debt \$554.5 mil LT Interest \$43.3 mil	47.8%	46.7%	46.0%	47.6%	31.8%	27.6%	31.7%	34.6%	31.8%	32.9%	34.0%	34.0%	Income Tax Rate	34.0%
(LT interest earned 3.4x, total interest coverage 3.1x)	2.4%	2.5%	2.9%	4.0%	4.7%	4.5%	4.6%	5.1%	5.5%	5.1%	5.3%	5.0%	Net Profit Margin	5.1%
<b>Leases, Uncapitalized Annual rentals \$6.0 mil</b>	48.6%	49.8%	49.4%	46.2%	49.3%	47.9%	50.2%	49.6%	49.5%	47.6%	48.5%	48.0%	Long-Term Debt Ratio	48.5%
<b>Pension Liability None</b>	45.3%	45.5%	46.9%	50.3%	48.2%	49.8%	47.8%	48.8%	49.0%	46.8%	46.5%	47.0%	Common Equity Ratio	47.5%
<b>Pfd Stock \$58.6 mil Pfd Div'd \$4.4 mil</b>	407.2	487.7	590.9	587.7	768.5	770.0	831.9	918.3	962.8	1050.7	1150	1195	Total Capital (\$mil)	1375
\$14.2 mil 4.50%-8.32% cum, callable at	492.2	560.7	652.1	757.7	866.5	979.1	1049.6	1141.6	1217.9	1281.3	1345	1400	Net Plant (\$mil)	1625
\$101.96-\$105.25, \$44.5 mil 7.70% cum	10.2%	8.8%	7.6%	9.0%	8.2%	7.8%	7.6%	7.6%	7.8%	7.5%	7.5%	7.5%	% Earned Total Cap'l	8.0%
<b>Common Stock 25,263,029 shs</b>	14.2%	12.1%	9.8%	12.5%	11.8%	10.5%	11.0%	10.7%	11.2%	10.4%	10.5%	10.5%	% Earned Net Worth	11.5%
	15.0%	12.5%	9.9%	12.8%	12.0%	10.6%	11.2%	10.8%	11.4%	10.8%	11.0%	10.5%	% Earned Comm Equity	12.0%
	7.7%	3.8%	1.7%	2.8%	2.7%	2.2%	2.2%	2.2%	1.0%	4%	1.5%	1.0%	% Retained to Comm Eq	2.5%
	52%	72%	84%	79%	73%	98%	98%	98%	91%	96%	90%	91%	% All Div'ds to Net Prof	81%

<b>CURRENT POSITION (\$mil)</b>	1992	1993	6/30/94
Cash Assets	12	33	34
Other	181.7	232.1	237.9
Current Assets	182.9	235.4	241.3
Accts Payable	66.7	63.6	51.7
Debt Due	258.6	132.1	33.0
Other	89.4	77.0	137.6
Current Liab	414.7	272.7	222.3
Fix Chg Cov	246%	239%	262%

<b>ANNUAL RATES</b>	Past 10 Yrs	Past 5 Yrs	Est'd '91-'93 to '97-'99
of change (per sh)			
Revenues	-8.0%	-4.0%	5.0%
"Cash Flow"	3.5%	5.0%	4.0%
Earnings	5.5%	1.5%	4.5%
Dividends	8.5%	5.5%	1.5%
Book Value	4.0%	3.5%	3.0%

Fiscal Year Ends	EARNINGS PER SHARE				Full Fiscal Year
	Dec.31	Mar.31	Jun.30	Sep.30	
1991	1.05	1.47	d.11	d.31	2.07
1992	.88	1.79	d.08	d.31	2.26
1993	.87	1.79	d.14	d.34	2.16
1994	1.01	1.97	d.19	d.44	2.35
1995	1.00	1.95	d.20	d.45	2.30

Cal- endar	QUARTERLY DIVIDENDS PAID				Full Year
	Mar.31	Jun.30	Sep.30	Dec.31	
1990	49	49	49	51	198
1991	51	51	51	51	204
1992	51	52	52	52	207
1993	52	52	52	52	208
1994	52	52	52		

(A) Fiscal year ends September 30th	Go
(B) Primary eggs Next eggs report due early	me
Dec Excl nonrec items '84, 37c, '88, 15c	a D
(C) Next dividend meeting early November	(D)
Factual material is obtained from sources believed to be fidential use of subscribers Reprinting, copying, and distri	

**BUSINESS** Atlanta Gas Light Company provides natural gas service in 228 Georgia municipalities and surrounding areas including metropolitan Atlanta, Augusta, and Savannah, and in Chattanooga, Tennessee. Has about 1,280,900 customers. System throughput 266.4 Bcf in FY '93 vs 269.6 Bcf in FY '92. Purchased gas cost 62% of revs in FY '93 vs 59.5% in FY '92. Firm gas supply profile.

**Atlanta Gas Light will make do without a rate increase in fiscal 1995** (begins October 1st). But not because the utility did not apply for rate relief. AGL had submitted a framework in its latest rate case that included a competitive pricing structure for interruptible customers, along with a tariff increase on firm service accounts. The pricing proposal on interruptible sales would have allowed the utility to more effectively compete in this market, which has become increasingly competitive under a recent federal regulatory order (Order 636). The company later agreed to revise its request so that it still included the new pricing structure on interruptible load in exchange for a freeze on firm service rates for two years. However, AGL's regulators could find little that they liked in this proposal and chose to deny it, despite its wide acceptance, which included such groups as the Consumers' Utility Counsel and the Adversary Staff of the Georgia commission. At this point in the process, the company decided to withdraw its request for relief and wait to refile when the board was more amendable (next March?).

**We were disappointed with the commission's inaction.** There is evidently concern on AGL's part regarding its ability to effectively compete for large industrial load in the alternate fuels market. Under the competitive pricing structure that the utility proposed, some interruptible customers' rates likely would have been lowered, while others would have gone up. But the essential ingredient here is that the prices would have been more reflective of the market. Federal regulators seem to be in favor of more competition rather than less in this arena, given recent decisions. Accordingly, we believe that the Georgia commission missed a chance to show some leadership and seriously consider a proposal that in the end may well have been beneficial to both ratepayers and shareholders.

**We would defer new commitments to Atlanta Gas Light stock for now.** We continue to view the utility's dividend as secure. But the prospects for dividend growth have dimmed, at least in the near term, given recent state regulatory decisions.

Charles Clark September 30, 1994



# ATLANTA GAS LIGHT NYSE-ATG

RECENT PRICE 31

P/E RATIO 13.4

(Trailing 13.1 Median 13.0)

RELATIVE P/E RATIO 0.99

DIV'D YLD 6.7%

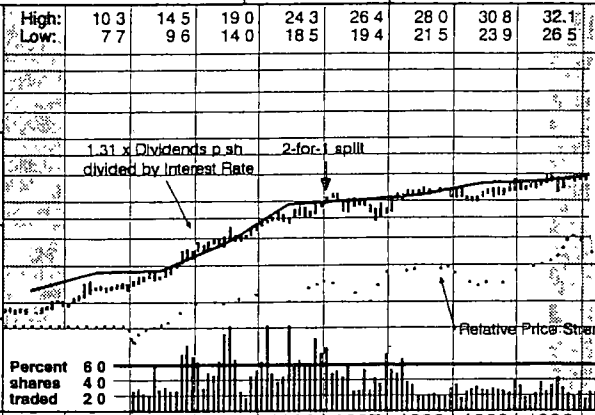
VALUE LINE 472

**TIMELINESS** 5 Lowest  
(Relative Price Performance Next 12 Mos)  
**SAFETY** 2 Above Average  
(Scale 1 Highest to 5 Lowest)  
**BETA** 65 (1.00 = Market)

**1997-99 PROJECTIONS**  
Price Gain Ann'l Total  
High 45 (+45%) 15%  
Low 30 (-5%) 6%

**Insider Decisions**  
F M A M J J A S O  
to Buy 0 0 0 0 0 0 0 0 1  
Options 0 0 0 0 1 0 0 0 0  
to Sell 0 0 0 2 0 0 0 0 0

**Institutional Decisions**  
10/94 10/93 10/92  
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48.06	60.27	77.11	91.44	104.23	96.54	92.00	74.85	55.17	52.48	45.94	43.26	45.17	40.52	40.88	45.47	47.24	46.80
3.25	3.04	3.40	3.27	2.99	3.20	3.74	3.38	3.04	3.68	3.79	3.86	4.09	4.14	4.67	4.51	4.64	4.40
1.62	1.31	1.55	1.29	.91	1.56	2.25	1.82	1.67	2.04	2.25	1.90	2.02	2.07	2.26	2.16	2.34	2.30
68	72	75	84	90	96	1.08	1.26	1.40	1.60	1.76	1.88	1.96	2.04	2.06	2.08	2.08	2.08
3.43	3.51	3.97	4.90	5.05	4.87	5.89	6.03	6.60	7.18	5.72	5.29	5.47	5.91	5.48	4.98	4.81	4.55
11.12	11.71	12.52	12.99	12.90	12.74	13.84	14.25	15.18	15.78	17.44	17.66	17.93	18.84	19.57	19.79	20.41	20.15
9.07	9.07	9.07	9.07	9.26	11.54	13.32	15.56	18.28	18.74	21.24	21.70	22.16	23.79	24.33	24.86	25.40	26.70
4.8	6.1	4.8	5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	
65	88	64	72	91	48	44	67	80	77	92	104	105	98	94	105	92	
8.6%	9.1%	10.2%	11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	

Percent shares traded	6.0	4.0	2.0
1978	6.0	4.0	2.0
1979	6.0	4.0	2.0
1980	6.0	4.0	2.0
1981	6.0	4.0	2.0
1982	6.0	4.0	2.0
1983	6.0	4.0	2.0
1984	6.0	4.0	2.0
1985	6.0	4.0	2.0
1986	6.0	4.0	2.0
1987	6.0	4.0	2.0
1988	6.0	4.0	2.0
1989	6.0	4.0	2.0
1990	6.0	4.0	2.0
1991	6.0	4.0	2.0
1992	6.0	4.0	2.0
1993	6.0	4.0	2.0
1994	6.0	4.0	2.0
1995	6.0	4.0	2.0

**CAPITAL STRUCTURE as of 9/30/94**  
Total Debt \$664.9 mill Due in 5 Yrs \$110.4 mill  
LT Debt \$554.5 mill LT Interest \$43.2 mill  
(LT interest earned 4.4x, total interest coverage 4.0x)

**Leases, Uncapitalized Annual rentals \$6.0 mill**

**Pension Liability None**

**Pfd Stock \$58.5 mill Pfd Div'd \$4.5 mill**  
\$14.2 mill 4.50%-8.32% cum., callable at  
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1995	1.00	1.95	d.20	d.45	2.30

Calendar	Mar. 31	Jun. 30	Sep. 30	Dec. 31	Full Year
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**BUSINESS** Atlanta Gas Light Company provides natural gas service in 228 Georgia municipalities and surrounding areas including metropolitan Atlanta, Augusta, and Savannah, and in Chattanooga, Tennessee. Has about 1,280,900 customers. System throughput 266.4 Bcf in FY '93 vs 269.6 Bcf in FY '92. Purchased gas cost 62% of revs in FY '93 vs 59.5% in FY '92. Firm gas supply profile

**Atlanta Gas Light has announced a restructuring plan.** The plan calls for the company to be organized around three primary functions—Customer Operations, Market Services, and Business Support. The move should allow AGL to provide high-quality service to its customers while working to improve the efficiency and effectiveness of its operations. The utility will be streamlining its field organization by combining offices and creating centralized call centers and a network of locations where customers can pay bills. Atlanta should also be better able to take advantage of opportunities resulting from the regulatory changes effecting interstate pipelines.

**The restructuring will likely reduce AGL's work force by around 600 people.** The aftertax cost will probably be somewhere in the \$23 to \$37 million range. We will treat these charges as non-recurring and so will not include them in our earnings presentation. However, an allowance has been made for them in our estimate of ending common equity for fiscal 1995 (ends September 30th). The program is now under implementation, and will

FY '93 Pipeline mktrs, 54%, Major oil cos, 26%, Ind prod, 11%, Ind mktrs 9%. Revenue breakdown, FY '93 Residential, 58%, commercial, 24%, industrial, 14%, transport and other 4%. Depreciation rate 3.3%. Has about 3,764 employees, 18,000 shareholders. Pres & CEO: David R. Jones. Inc. Georgia Address: 303 Peachtree St., N.E. Atlanta, GA 30308. Tel: 404-584-4000.

probably take two years to complete. We believe that most of the charges will likely be offset through lower operating expenses over the pull to 1997-99. And the plan may well lessen the company's dependence on its regulators for rate relief, given management's emphasis on developing new markets for natural gas (transportation, gas cooling, etc). However, AGL is faced with making large capital expenditures to support the growth of the residential customer base in its service territory. Consequently, it will still need to apply for relief from time to time in order to recover the resulting capital costs (which are rising). Also, competitive pricing for its interruptible load is still an unresolved issue.

**This stock offers income-oriented investors an attractive yield.** But the prospects for dividend growth are not that great, at least over the near term, given the company's high payout ratio. Leaner operations, coupled with timely and reasonable regulatory relief, should work to move earnings forward through 1997-99. The payout ratio, then, will likely decline, and modest dividend growth return.

Charles Clark December 30, 1994

(A) Fiscal year ends September 30th  
(B) Primary ags. Next ags. report due early Feb. Excl. nonrec items '84, '37c, '88, '15c, '95, (\$1.00-\$1.50)

(C) Next dividend meeting early Feb. Goes ex mid-Feb. Approx. div'd payment dates: March 1, June 1, Sept 1, Dec 1  
■ Dividend reinvestment plan available

(D) Incl. def'd chgs. '94 \$48.2 mill, \$1.90/sh  
(E) In millions, adj'd for stock split  
(F) In '91, '92, '93, '94 Quarters do not add to total due to change in shares outstanding

Company's Financial Strength	B+
Stock's Price Stability	100
Price Growth Persistence	70
Earnings Predictability	70

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# ATLANTA GAS LIGHT NYSE-ATG

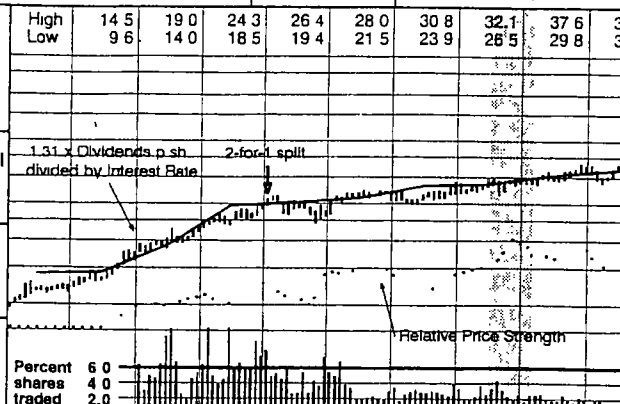
RECENT PRICE **34** P/E RATIO **13.6** (Trailing 13.7 Median: 14.0) RELATIVE P/E RATIO **0.99** DIV'D YLD **6.1%** **VALUE LINE** **474**

**TIMELINESS**  
(Relative Price Performance Next 12 Mos)  
**SAFETY**  
(Scale 1 Highest to 5 Lowest)  
**BETA** 65 (1.00 = Market)

**1998-00 PROJECTIONS**  
Price 45 Gain (+30%) Ann'l Total Return 12%  
High 45 Low 35 (+5%) 7%

**Insider Decisions**  
M J J A S O N D J  
to Buy 0 0 0 0 0 1 0 0 0  
Options 0 1 0 0 0 0 0 0 0  
to Sell 2 0 0 0 0 0 0 0 0

**Institutional Decisions**  
to Buy 23 26 15  
to Sell 20 21 31  
Hld's(000) 4424 4193 4072



1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
60.27	77.11	91.44	104.23	96.54	92.00	74.85	55.17	52.48	45.94	43.26	45.17	40.52	40.85	45.47	47.18	43.05	45.95
3.04	3.40	3.27	2.99	3.20	3.74	3.38	3.04	3.68	3.79	3.86	4.09	4.14	4.62	4.51	4.49	4.55	4.85
1.31	1.55	1.29	91	1.56	2.25	1.82	1.67	2.04	2.25	1.90	2.02	2.07	2.26	2.16	2.34	2.50	2.65
72	75	84	90	96	1.08	1.26	1.40	1.60	1.76	1.88	1.96	2.04	2.06	2.08	2.08	2.08	2.12
3.51	3.97	4.90	5.05	4.87	5.89	6.03	6.60	7.18	5.72	5.29	5.47	5.91	5.48	4.98	4.74	4.55	4.60
11.71	12.52	12.99	12.90	12.74	13.84	14.25	15.18	15.78	17.44	17.66	17.93	18.84	19.39	19.79	20.39	20.15	21.00
9.07	9.07	9.07	9.26	11.54	13.32	15.56	18.28	18.74	21.24	21.70	22.16	23.79	24.35	24.86	25.43	26.70	27.20
6.1	4.8	5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	15.1	15.1
88	64	72	91	48	44	67	80	77	92	104	105	98	94	106	97	97	97
9.1%	10.2%	11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	5.4%	5.9%

1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
60.27	77.11	91.44	104.23	96.54	92.00	74.85	55.17	52.48	45.94	43.26	45.17	40.52	40.85	45.47	47.18	43.05	45.95
3.04	3.40	3.27	2.99	3.20	3.74	3.38	3.04	3.68	3.79	3.86	4.09	4.14	4.62	4.51	4.49	4.55	4.85
1.31	1.55	1.29	91	1.56	2.25	1.82	1.67	2.04	2.25	1.90	2.02	2.07	2.26	2.16	2.34	2.50	2.65
72	75	84	90	96	1.08	1.26	1.40	1.60	1.76	1.88	1.96	2.04	2.06	2.08	2.08	2.08	2.12
3.51	3.97	4.90	5.05	4.87	5.89	6.03	6.60	7.18	5.72	5.29	5.47	5.91	5.48	4.98	4.74	4.55	4.60
11.71	12.52	12.99	12.90	12.74	13.84	14.25	15.18	15.78	17.44	17.66	17.93	18.84	19.39	19.79	20.39	20.15	21.00
9.07	9.07	9.07	9.26	11.54	13.32	15.56	18.28	18.74	21.24	21.70	22.16	23.79	24.35	24.86	25.43	26.70	27.20
6.1	4.8	5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	15.1	15.1
88	64	72	91	48	44	67	80	77	92	104	105	98	94	106	97	97	97
9.1%	10.2%	11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	5.4%	5.9%

**CAPITAL STRUCTURE as of 12/31/94**  
Total Debt \$718.1 mill Due in 5 Yrs \$163.6 mill  
LT Debt \$554.5 mill LT Interest \$43.2 mill  
(LT interest earned 3.5x, total interest coverage 3.2x)

**Leases, Uncapitalized Annual rentals \$6.0 mill**

**Pension Liability None**

**Pfd Stock \$58.5 mill Pfd Div'd \$4.5 mill**  
\$14.2 mill 4.50%-8.32% cum, callable at  
\$101.96-\$105.25, \$44.5 mill 7.70% cum

**Common Stock 25,600,552 shs**

CURRENT POSITION	1993	1994	12/31/94
Cash Assets	3.3	3.3	4.2
Other	232.1	267.8	333.1
Current Assets	235.4	271.1	337.3
Accts Payable	63.6	57.6	51.7
Debt Due	132.1	110.4	163.6
Other	77.0	117.9	162.2
Current Liab	272.7	285.9	377.5
Fix Chg Cov	239.9	256.6	266.6

ANNUAL RATES of change (per sh)	Past 10 Yrs	Past 5 Yrs	Est'd '92-'94 to '98-'00
Revenues	-7.5%	-1.0%	3.5%
"Cash Flow"	3.0%	3.5%	3.0%
Earnings	3.5%	2.0%	5.0%
Dividends	8.0%	3.5%	2.0%
Book Value	4.0%	3.0%	3.0%

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1992	300.2	395.3	176.0	123.1	994.6
1993	334.1	448.2	197.7	150.3	1130.3
1994	361.9	500.2	191.2	146.6	1199.9
1995	328.8	495	185	147.2	1150
1996	375	520	200	155	1250

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1992	88	179	d.08	d.31	2.26
1993	87	179	d.14	d.34	2.16
1994	101	197	d.19	d.43	2.34
1995	114	201	d.20	d.45	2.50
1996	1.20	2.10	d.20	d.45	2.65

Quarterly Dividends Paid	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1991	51	51	51	51	2.04
1992	51	52	52	52	2.07
1993	52	52	52	52	2.08
1994	52	52	52	52	2.08
1995	52				

1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926	925	924	923	922	921	920	919	918	917	916	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901	900	899	898	897	896	895	894	893	892	891	890	889	888	887	886	885	884	883	882	881	880	879	878	877	876	875	874	873	872	871	870	869	868	867	866	865	864	863	862	861	860	859	858	857	856	855	854	853	852	851	850	849	848	847	846	845	844	843	842	841	840	839	838	837	836	835	834	833	832	831	830	829	828	827	826	825	824	823	822	821	820	819	818	817	816	815	814	813	812	811	810	809	808	807	806	805	804	803	802	801	800	799	798	797	796	795	794	793	792	791	790	789	788	787	786	785	784	783	782	781	780	779	778	777	776	775	774	773	772	771	770	769	768	767	766	765	764	763	762	761	760	759	758	757	756	755	754	753	752	751	750	749	748	747	746	745	744	743	742	741	740	739	738	737	736	735	734	733	732	731	730	729	728	727	726	725	724	723	722	721	720	719	718	717	716	715	714	713	712	711	710	709	708	707	706	705	704	703	702	701	700	699	698	697	696	695	694	693	692	691	690	689	688	687	686	685	684	683	682	681	680	679	678	677	676	675	674	673	672	671	670	669	668	667	666	665	664	663	662	661	660	659	658	657	656	655	654	653	652	651	650	649	648	647	646	645	644	643	642	641	640	639	638	637	636	635	634	633	632	631	630	629	628	627	626	625	624	623	622	621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601	600	599	598	597	596	595	594	593	592	591	590	589	588	587	586	585	584	583	582	581	580	579	578	577	576	575	574	573	572
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**BUSINESS** Atlanta Gas Light Company provides natural gas service in 228 Georgia municipalities and surrounding areas including metropolitan Atlanta, Augusta, and Savannah. Also operates the Chattanooga Gas Company in Tennessee. Has about 1,325,200 customers in total. System throughput 260.4 Bcf in FY '94. System throughput (operating margin) breakdown, FY '94: Residential, 38.5% (61.4%), commercial, 15.6% (19.7%), industrial and interruptible, 19.1% (10.0%), transportation and other, 26.8% (8.9%). Depreciation rate 3.3%. Purchased gas cost 61.4% of revenues in FY '94. Has about 3,325 employees, 18,000 shareholders. President & CEO David R. Jones. Inc. Georgia Address 303 Peachtree St., N.E. Atlanta, GA 30308. Telephone 404-584-4000.

**Atlanta Gas Light is moving along well with its restructuring program.** The utility is looking to reduce its headcount by a total of 600 under the program. Nearly 440 employees have already agreed to accept retirement under the company's Special Voluntary Retirement Plan (SVRP). The balance of the personnel reduction will likely be accomplished over the next couple of years through the SVRP offer and attrition. Further, we expect the streamlining of AGL's field organization into centralized call centers will be largely complete by early September. The restructuring is now estimated to cost between \$37-\$39 million after tax. The charges, which we are excluding from our earnings presentation, should be largely recovered through lower operating and maintenance expenses over the next 2 to 3 years.

**Customer growth continues to be a plus for AGL.** Its residential heating roster is advancing at about 2.5% to 3.0% a year. This is better than most gas distributors of this utility's size, and reflects the economic vitality of its service area. Moreover, AGL's residential customers are using more gas (on a weather-normalized

basis). The trend to higher usage began with the first quarter of fiscal 1994 (years end September 30th). Whether this trend is sustainable is not clear, given conservation measures and moves towards more efficient heating systems. Nevertheless, the current usage pattern has provided a boost to the company's gross margin (revenues less the cost of gas), and has had a positive effect on share earnings so far this year. As a result, we have raised our earnings estimate 20¢, to \$2.50, a share for 1995. Share net may reach \$2.65 next year. **The prospects for this equity have improved, in our view.** Earnings ought to advance in the next couple of years—even without the aid of general rate relief—as the effect of the restructuring takes hold. And AGL's regulators recently made some positive moves that allow the utility to more effectively compete for interruptible load, diminishing the threat of system bypass by large customers. In sum, dividend growth should resume in 1996 (or maybe sooner), and continue through 1998-2000. On that assumption, the stock offers a worthwhile, risk-adjusted total return.

**Charles Clark**  
March 31, 1995

(A) Fiscal year ends September 30th  
(B) Primary egs. Next egs. report due early May. Excl. nonrec. items '84, 37¢, '88, 15¢, '95, (\$1.40-\$1.50)  
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(C) Next dividend meeting early May. Goes ex mid-May. Approx. div'd payment dates March 1, June 1, Sept 1, Dec 1.  
■ Dividend reinvestment plan available

(D) Incl. def'd chgs. '94 \$48.2 mill, \$1.90/sh  
(E) In millions, adj'd for stock split  
(F) Quarters may not add to total due to change in shares outstanding

Company's Financial Strength	B+
Stock's Price Stability	100
Price Growth Persistence	70
Earnings Predictability	70

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# ATLANTA GAS LIGHT NYSE-ATG

RECENT PRICE 35 P/E RATIO 14.2 (Trailing, 14.4) RELATIVE P/E RATIO 1.00 DIVD YLD 6.0% VALUE LINE 473

TIMELINESS (Relative Price Performance Next 12 Mos.) 4 Below Average  
SAFETY (Scale, 1 Highest to 5 Lowest) 2 Above Average  
BETA 65 (1.00 = Market)

1998-00 PROJECTIONS

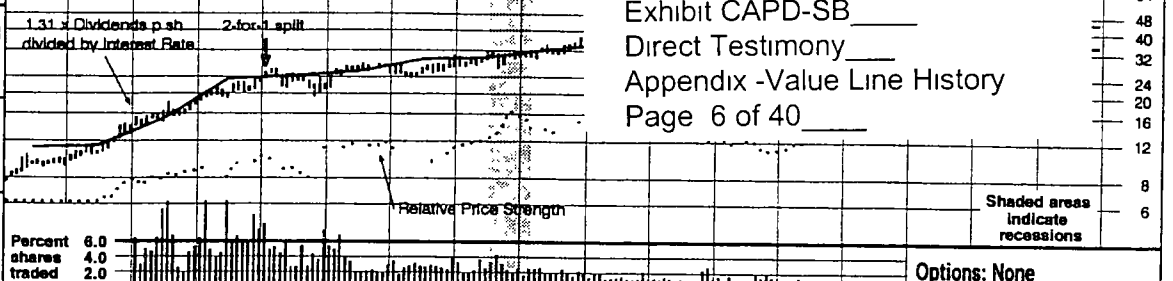
	Price	Gain	Return
High	45	(+30%)	11%
Low	35	(Nil)	6%

Insider Decisions

	A	S	O	N	D	J	F	M	A
to Buy	0	0	1	0	0	0	0	0	0
Options	0	0	0	0	0	0	0	0	1
to Sell	0	0	0	0	0	0	0	0	0

Institutional Decisions

	3/94	6/94	9/94
to Buy	26	15	28
to Sell	21	31	22
Mkt's(000)	4193	4072	4315



1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	VALUE LINE PUB., INC.	98-00
60.27	77.11	91.44	104.23	96.54	92.00	74.85	55.17	52.48	45.94	43.26	45.17	40.52	40.85	45.47	47.18	41.20	45.35	Revenues per sh A	50.00
3.04	3.40	3.27	2.99	3.20	3.74	3.38	3.04	3.68	3.79	3.86	4.09	4.14	4.62	4.51	4.49	4.40	4.75	"Cash Flow" per sh	5.35
1.31	1.55	1.29	.91	1.56	2.25	1.82	1.67	2.04	2.25	1.90	2.02	2.07	2.26	2.16	2.34	2.45	2.60	Earnings per sh B	2.95
72	75	84	90	.96	1.08	1.26	1.40	1.60	1.76	1.88	1.96	2.04	2.06	2.08	2.08	2.08	2.12	Div'ds Decl'd per sh C	2.24
3.51	3.97	4.90	5.05	4.87	5.89	6.03	6.60	7.18	5.72	5.29	5.47	5.91	5.48	4.98	4.74	4.45	3.75	Cap'l Spending per sh	4.25
11.71	12.52	12.99	12.90	12.74	13.84	14.25	15.18	15.78	17.44	17.66	17.93	18.84	19.39	19.79	20.39	20.00	21.10	Book Value per sh D	23.00
9.07	9.07	9.07	9.26	11.54	13.32	15.56	18.28	18.74	21.24	21.70	22.16	23.79	24.35	24.86	25.43	27.50	28.00	Common Shs Outst'g E	29.00
6.1	4.8	5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1			Avg Ann'l P/E Ratio	13.5
88	64	72	91	48	44	67	80	77	92	1.04	1.05	98	94	1.06	97			Relative P/E Ratio	1.05
9.1%	10.2%	11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%			Avg Ann'l Div'd Yield	5.7%

CAPITAL STRUCTURE as of 3/31/95  
Total Debt \$554.5 mill Due in 5 Yrs \$50 mill.  
LT Debt \$554.5 mill LT Interest \$41.5 mill  
(LT interest earned, 3.4x, total interest coverage 3.1x)

Leases, Uncapitalized Annual rentals \$6.0 mill

Pension Liability None

Pfd Stock \$58.5 mill Pfd Div'd \$4.5 mill  
\$14.2 mill 4.50%-8.32% cum, callable at  
\$101.96-\$105.25, \$44.5 mill 7.70% cum

Common Stock 25,744,226 shs

CURRENT POSITION	1993	1994	3/31/95
Cash Assets	3.3	3.3	36.2
Other	232.1	267.8	240.1
Current Assets	235.4	271.1	276.3
Accts Payable	63.6	57.6	50.8
Debt Due	132.1	110.4	--
Other	77.0	117.9	236.4
Current Liab	272.7	285.9	287.2
Fix Chg Cov	239%	256%	265%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '92-'94
of change (per sh)			
Revenues	-7.5%	-1.0%	2.0%
"Cash Flow"	3.0%	3.5%	3.0%
Earnings	3.5%	2.0%	4.5%
Dividends	8.0%	3.5%	1.5%
Book Value	4.0%	3.0%	2.5%

Fiscal Year Ends	Dec.31	Mar.31	Jun.30	Sep.30	Full Fiscal Year
1992	300.2	395.3	176.0	123.1	994.6
1993	334.1	448.2	197.7	150.3	1130.3
1994	361.9	500.2	191.2	146.6	1199.9
1995	328.8	448.2	190	148	1115
1996	375	520	200	155	1250

Fiscal Year Ends	Dec.31	Mar.31	Jun.30	Sep.30	Full Fiscal Year
1992	88	1.79	d.08	d.31	2.26
1993	87	1.79	d.14	d.34	2.16
1994	1.01	1.97	d.19	d.43	2.34
1995	1.14	1.91	d.20	d.40	2.45
1996	1.15	2.00	d.15	d.40	2.60

Calendar	Mar.31	Jun.30	Sep.30	Dec.31	Full Year
1991	51	51	51	51	2.04
1992	51	52	52	52	2.07
1993	52	52	52	52	2.08
1994	52	52	52	52	2.08
1995	52	52			

**BUSINESS** Atlanta Gas Light Company provides natural gas service in 228 Georgia municipalities and surrounding areas including metropolitan Atlanta, Augusta, and Savannah. Also operates the Chattanooga Gas Company in Tennessee. Has about 1,325,200 customers in total System throughput, 260.4 Bcf in FY '94. System throughput (operating margin) breakdown, FY '94: Residential, 38.5% (61.4%), commercial, 15.6% (19.7%), industrial and interruptible, 19.1% (10.0%), transportation and other, 26.8% (8.9%). Depreciation rate 3.3%. Purchased gas cost 61.4% of revenues in FY '94. Has about 3,325 employees, 18,000 shareholders. President & CEO David R. Jones Inc. Georgia Address 303 Peachtree St., N.E. Atlanta, GA 30308 Telephone 404-584-4000

**Atlanta Gas Light will likely acquire a 35% interest in Sonat Marketing Company.** The deal, though not yet finalized, has a price tag of \$32 million. Sonat Marketing is one of the largest natural gas marketing firms in the U.S. The move follows from AGL's goal of making energy-related investments, especially those that provide a way to benefit from the opportunities arising from FERC Order 636, which unbundled interstate pipeline sales service. This transaction will likely have a neutral effect on share earnings initially, but it should prove increasingly additive in the next couple of years.

**The utility continues to make progress with its restructuring plan.** The largest part of the plan's costs have probably been realized (The charges are excluded from our earnings presentation and are estimated to be between \$41.4 million and \$43 million after taxes). These costs ought to be largely offset by lower operating expenses in the next couple of years. It still looks likely that the streamlining of the company's field organization will be completed soon. Accordingly, some of the savings may start to be felt in the fourth

fiscal quarter (years end September 30th). **AGL recently completed a common equity offering.** It issued about 1.5 million shares at \$33.625 each, yielding around \$48 million after expenses. With this in hand, AGL will not need to visit the capital markets again until sometime in fiscal 1996, when its requirements may be in the \$40 million to \$50 million range (probably funded with debt).

**Atlanta Gas stock may be of interest to income-oriented investors.** Earnings ought to advance in the next year or so, even without the aid of general rate relief, as the effect of the restructuring takes hold. We also think that AGL ought to build equity by making further investments in non-regulated activities, though we expect them to be closely related to its core business—natural gas distribution. And recent rulings by state regulators have diminished the threat of system bypass by large customers. In sum, dividend growth should resume in 1996 and continue through 1998-2000. On that assumption, this equity offers a worthwhile, risk-adjusted total return.

Charles Clark

June 30, 1995

(A) Fiscal year ends September 30th

(B) Primary egs Next egs report due early August. Excl nonrec items: '84, 37c, '88, 15c, '95, \$1.65

(C) Next dividend meeting early August. Goes ex mid-August. Approx div'd payment dates

March 1, June 1, Sept. 1, Dec. 1  
Dividend reinvestment plan available

(D) Incl del'd chgs '94 \$48.2 mill, \$1.90/sh

(E) In millions, adj'd for stock split  
Quarters may not add to total due to change in shares outstanding

Company's Financial Strength B+  
Stock's Price Stability 100  
Price Growth Persistence 70  
Earnings Predictability 75

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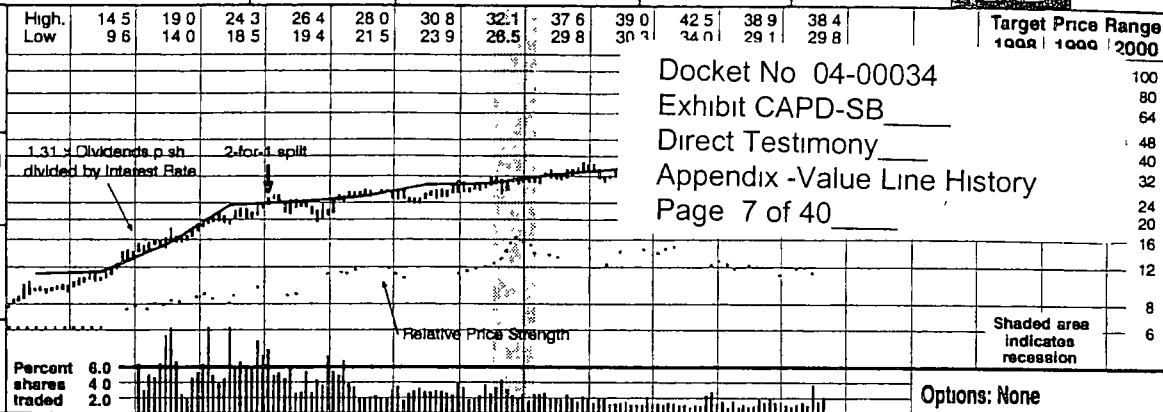
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**TIMELINESS** (Relative Price Performance since Next 12 Mos) **4** Below Average  
**SAFETY** (Scale 1 Highest to 5 Lowest) **2** Above Average  
**BETA** **60** (1.00 = Market)

**1998-00 PROJECTIONS**  
 Price Gain Ann'l Total  
 High 50 (+30%) 12%  
 Low 35 (-10%) 4%

**Insider Decisions**  
 O N D J F M A M J  
 to Buy 1 0 0 0 0 0 0 0  
 Options 0 0 0 0 0 0 1 0  
 to Sell 0 0 0 0 0 0 0 0

**Institutional Decisions**  
 4Q74 1Q75 2Q75  
 to Buy 15 28 31  
 to Sell 31 22 23  
 Ind (000) 4072 4315 4668



Docket No 04-00034  
 Exhibit CAPD-SB  
 Direct Testimony  
 Appendix -Value Line History  
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1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	© VALUE LINE PUB, INC. 98-00
60.27	77.11	91.44	104.23	96.54	92.00	74.85	55.17	52.48	45.94	43.26	45.17	40.52	40.85	45.47	47.18	39.25	41.05	Revenues per sh <sup>A</sup>
3.04	3.40	3.27	2.99	3.20	3.74	3.38	3.04	3.68	3.79	3.86	4.09	4.14	4.62	4.51	4.49	4.65	4.95	"Cash Flow" per sh
1.31	1.55	1.29	91	1.56	2.25	1.82	1.67	2.04	2.25	1.90	2.02	2.07	2.26	2.16	2.34	2.65	2.85	Earnings per sh <sup>B</sup>
72	75	84	90	96	1.08	1.26	1.40	1.60	1.76	1.88	1.96	2.04	2.06	2.08	2.08	2.08	2.12	Div'ds Decl'd per sh <sup>C</sup>
3.51	3.97	4.90	5.05	4.87	5.89	6.03	6.60	7.18	5.72	5.29	5.47	5.91	5.48	4.98	4.74	4.45	4.10	Cap'l Spending per sh
11.71	12.52	12.99	12.90	12.74	13.84	14.25	15.18	15.78	17.44	17.66	17.93	18.84	19.39	19.79	20.39	20.40	21.50	Book Value per sh <sup>D</sup>
9.07	9.07	9.07	9.26	11.54	13.32	15.56	18.28	18.74	21.24	21.70	22.16	23.79	24.35	24.86	25.43	27.50	28.00	Common Shs Outst'g <sup>E</sup>
6.1	4.8	5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	15.1	15.1	Avg Ann'l P/E Ratio
88	64	72	91	48	44	67	80	77	92	104	105	98	94	106	97	97	97	Relative P/E Ratio
9.1%	10.2%	11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	5.4%	5.4%	Avg Ann'l Div'd Yield

**CAPITAL STRUCTURE as of 6/30/95**  
 Total Debt \$554.5 mill Due in 5 Yrs \$50 mill  
 LT Debt \$554.5 mill LT Interest \$41.5 mill  
 (LT interest earned 3.8x, total interest coverage 3.4x)

**Leases, Uncapitalized Annual rentals \$6.0 mill**

**Pension Liability None**

**Pfd Stock \$58.5 mill Pfd Div'd \$4.5 mill**  
 \$14.2 mill 4.50%-8.32% cum, callable at  
 \$101.96-\$105.25, \$44.5 mill 7.70% cum

**Common Stock 27,375,405 shs**

CURRENT POSITION	1993	1994	6/30/95
Cash Assets	33	33	78.4
Other	232.1	267.8	200.1
Current Assets	235.4	271.1	278.5
Accts Payable	63.6	57.6	55.5
Debt Due	132.1	110.4	--
Other	77.0	117.9	200.9
Current Liab	272.7	285.9	256.4
Fix Chg Cov	239%	256%	283%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '92-'94 to '98-'00
change (per sh)			
Revenues	-7.5%	-1.0%	5%
"Cash Flow"	3.0%	3.5%	3.5%
Earnings	3.5%	2.0%	6.0%
Dividends	8.0%	3.5%	1.5%
Book Value	4.0%	3.0%	3.0%

Fiscal Year Ends	Dec.31	Mar.31	Jun.30	Sep.30	Full Fiscal Year
1992	300.2	395.3	176.0	123.1	994.6
1993	334.1	448.2	197.7	150.3	1130.3
1994	361.9	500.2	191.2	146.6	1199.9
1995	328.8	448.2	177.5	125.5	1080
1996	350	500	175	125	1150

Fiscal Year Ends	Dec.31	Mar.31	Jun.30	Sep.30	Full Fiscal Year
1992	88	179	d.08	d.31	2.26
1993	87	179	d.14	d.34	2.16
1994	101	197	d.19	d.43	2.34
1995	114	191	05	d.45	2.65
1996	1.20	2.05	Nil	d.40	2.85

Cal-endar	Mar.31	Jun.30	Sep.30	Dec.31	Full Year
1991	51	51	51	51	2.04
1992	51	52	52	52	2.07
1993	52	52	52	52	2.08
1994	52	52	52	52	2.08
1995	52	52	52	52	2.08

**BUSINESS** Atlanta Gas Light Company provides natural gas service in 228 Georgia municipalities and surrounding areas including metropolitan Atlanta, Augusta, and Savannah. Also operates the Chattanooga Gas Company in Tennessee. Has about 1,325,200 customers in total. System throughput 260.4 Bcf in FY '94. System throughput (operating margin) breakdown, FY '94 Residential,

**The restructuring at Atlanta Gas Light is taking hold.** In the June quarter, operating and maintenance expenses were down sharply. True, the company has now broken out the operating costs associated with such programs as its Integrated Resource Plan (IRP), calling attention to the decline. But these expenses are recovered in the utility's rates. Consequently, they are essentially offset by revenues, and the new presentation provides meaningful information, in our view. We continue to expect that the costs of the restructuring, which reduced employee count, realigned business processes, and streamlined field operations, should be offset through lower operating expenses over the next three fiscal years. (Years end September 30th) The total costs of the plan may reach \$43 million after taxes; almost all has been accrued. (The charge is excluded from our earnings presentation) **The utility's margin on providing natural gas service should continue to progress.** This figure's advance (defined as operating revenues less the cost of gas) is underpinned by the customer growth in AGL's service area. For the 12 months

38.5% (61.4%), commercial, 15.6% (19.7%), industrial and interruptible, 19.1% (10.0%), transportation and other, 26.8% (8.9%) Depreciation rate 3.3% Purchased gas cost 61.4% of revenues in FY '94 Has about 3,325 employees, 18,000 shareholders President & CEO David R Jones Inc Georgia Address 303 Peachtree St, NE Atlanta, GA 30308 Telephone 404-584-4000

ending June 30th, the company's roster has expanded by about 2.8%, of which the vast majority remains the higher-margined residential load. The growth of the utility's service area is likely to keep pace with the established trend of around 2.5% a year or so, which is above the average for gas distributors of its size. AGL's margin, then, ought to advance a little faster than customer additions (net of IRP effects), reflecting the volume increases it appears to be garnering from its industrial customers. This estimate assumes no changes in rate design. We do not expect AGL to file a general rate case for some time, given the recent restructuring, though capital spending will likely remain substantial, reflecting the expansion of demand in its service territory. **AGL stock may be of interest to income-oriented investors.** No guarantees are made, but the company appears to now be in a position to boost its quarterly dividend for the first time since 1992. Further, our projections through 1998-2000 suggest a decent, risk-adjusted total return over this time frame.

Charles Clark September 29, 1995

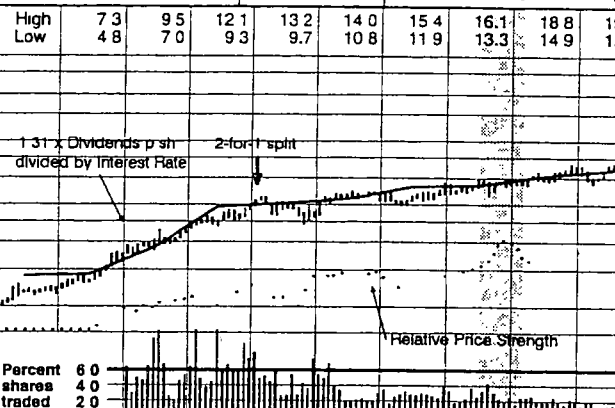
(A) Fiscal year ends September 30th  
 (B) Primary eqs Next eqs report due early November Excl nonrecurring items '84, 37c, '88, 15c, '95, \$1.65  
 (C) Next dividend meeting early November Goes ex mid-November Approx div'd payment dates March 1, June 1, Sept 1, Dec 1  
 (D) Incl def'd chgs '94 \$48.2 mill, \$1.90/sh  
 (E) In millions, adj'd for stock split  
 (F) Quarters may not add to total due to change in shares outstanding  
 Company's Financial Strength B+  
 Stock's Price Stability 100  
 Price Growth Persistence 55  
 Earnings Predictability 75  
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**TIMELINESS** (Relative Price Performance Next 12 Mos) **4** Below Average  
**SAFETY** (Scale 1 Highest to 5 Lowest) **2** Above Average  
**BETA .70** (100 = Market)

**1998-00 PROJECTIONS**  
 Price Gain Ann'l Total  
 High 25 (+25%) 10%  
 Low 18 (-10%) 3%

**Insider Decisions**  
 F M A M J J A S O  
 to Buy 0 0 0 0 0 1 0 0 0  
 Options 0 0 1 0 1 0 0 0 3  
 to Sell 0 0 0 0 0 0 0 0 0

**Institutional Decisions**  
 10/95 10/96 10/97  
 to Buy 28 31 45  
 to Sell 22 23 23  
 Held (000) 8630 9336 15970



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 Appendix -Value Line History  
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1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	VALUE LINE PUB., INC.	98-00
30.14	38.56	45.72	52.11	48.27	46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.33	20.20	Revenues per sh A	21.65
1.52	1.70	1.63	1.50	1.60	1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.40	2.50	"Cash Flow" per sh	2.75
65	78	64	45	78	113	91	83	102	113	95	101	104	113	108	117	133	145	Earnings per sh B	1.65
36	38	42	45	48	54	63	70	80	88	94	98	102	103	104	104	104	1.06	Div'ds Decl'd per sh C	1.18
1.76	1.99	2.45	2.52	2.43	2.95	3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.21	1.95	Cap'l Spending per sh	2.00
5.85	6.26	6.49	6.45	6.37	6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.13	10.70	Book Value per sh D	11.90
18.14	18.14	18.14	18.53	23.07	26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.00	56.00	Common Shs Outst'g E	60.00
6.1	4.8	5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6		Avg Ann'l P/E Ratio	13.0
88	64	72	91	48	44	67	80	77	92	104	105	98	94	106	99	85		Relative P/E Ratio	1.00
9.1%	10.2%	11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%		Avg Ann'l Div'd Yield	5.5%

**CAPITAL STRUCTURE as of 9/30/95**  
 Total Debt \$554.5 mill Due in 5 Yrs \$50.0 mill  
 LT Debt \$554.5 mill LT Interest \$45.0 mill  
 (LT interest earned 3.9%, total interest coverage 3.4x)

**Leases, Uncapitalized Annual rentals \$6.0 mill**

**Pension Liability None**

**Pfd Stock \$58.5 mill Pfd Div'd \$4.5 mill**  
 \$14.2 mill 4.50%-8.32% cum, callable at  
 \$101.96-\$105.25, \$44.5 mill 7.70% cum

**Common Stock 55,000,000 shs**

CURRENT POSITION	1993	1994	9/30/95
Cash Assets	3.3	3.3	3.7
Other	232.1	267.8	216.3
Current Assets	235.4	271.1	220.0
Accts Payable	63.6	57.6	72.3
Debt Due	132.1	110.4	-
Other	77.0	117.9	156.0
Current Liab	272.7	285.9	228.3
Fix. Chg Cov	239%	256%	292%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '92-'94 to '98-'00
Revenues	-7.5%	-1.0%	-5%
"Cash Flow"	3.0%	3.5%	3.5%
Earnings	3.5%	2.0%	6.0%
Dividends	8.0%	3.5%	2.0%
Book Value	4.0%	3.0%	3.0%

Fiscal Year Ends	QUARTERLY REVENUES (\$ mill.) A	Full Fiscal Year
Dec 31	300.2	1130.3
Mar 31	395.3	1130.3
Jun 30	176.0	1130.3
Sep 30	123.1	1130.3
1992	334.1	1130.3
1993	448.2	1130.3
1994	500.2	1130.3
1995	480.2	1130.3
1996	480.2	1130.3

Fiscal Year Ends	EARNINGS PER SHARE ABF	Full Fiscal Year
Dec 31	44	1.13
Mar 31	89	1.08
Jun 30	d 04	1.17
Sep 30	d 07	1.17
1992	44	1.13
1993	89	1.08
1994	50	1.17
1995	57	1.33
1996	60	1.45

Cal-endar	QUARTERLY DIVIDENDS PAID C	Full Year
Mar 31	255	1.02
Jun 30	255	1.04
Sep 30	26	1.04
Dec 31	26	1.04
1991	255	1.02
1992	255	1.04
1993	26	1.04
1994	26	1.04
1995	26	1.04

**BUSINESS** Atlanta Gas Light Company provides natural gas service in 228 Georgia municipalities and surrounding areas including metropolitan Atlanta, Augusta, and Savannah. Also operates the Chattanooga Gas Company in Tennessee. Has about 1,325,200 customers in total. System throughput 260.4 Bcf in FY '94. System throughput (operating margin) breakdown, FY '94: Residential, 38.5% (61.4%), commercial, 15.6% (19.7%), industrial and interruptible, 19.1% (10.0%), transportation and other, 26.8% (8.9%). Depreciation rate 3.3%. Purchased gas cost 61.4% of revenues in FY '94. Has about 3,325 employees, 18,000 shareholders. President & CEO David R. Jones Inc. Georgia Address 303 Peachtree St., N.E. Atlanta, GA 30308 Telephone 404-584-4000

**Atlanta Gas Light's customer base should continue to expand in fiscal 1996 and beyond.** (Years end September 30th) The utility's roster grew by over 37,000 in 1995, an advance of 2.8% and slightly above the historical trend of around 2.5% a year. Customer growth ought to stay on the established path through late decade, given the city of Atlanta's attractive business environment. The lion's share of the meter additions will likely accrue to AGL's residential load, which accounts for the largest part of its overall gross margin (revenues less the cost of gas). But the utility should also be able to increase its throughput (and its margin) by pursuing the markets for natural gas cooling, electric power generation, and natural gas vehicles. Further, the company's recently completed restructuring—which reduced employee count, realigned business processes, and streamlined field operations—should moderate the growth of operating and maintenance expenses. **Non-regulated activities ought to be more of a factor in the next couple of years.** Although the bulk of AGL's operating profits are likely to continue to come from its regulated operations, it is looking to take advantage of the energy-related business opportunities that are arising from the general movement toward market competition in the regulated utility arena. Indeed, it made an equity investment in Sonat's natural gas marketing business in 1995. And it is seeking to form a holding company (to be called AGL Resources, Inc.), which will provide for a clear separation between its regulated and non-regulated enterprises. The new corporate structure will also facilitate the funding of these new ventures (no regulatory approval will be needed). In sum, AGL's share earnings and dividends should advance nicely over the next 3 to 5 years. (Note: All figures have been adjusted to reflect a 2-for-1 stock split effected on December 1st.)

**This stock may be of interest to income-oriented investors.** Dividend growth has resumed. And our projections suggest it will likely continue through 1998-2000, leading to a decent, risk-adjusted total return over this time frame. **Charles Clark** December 29, 1995

(A) Fiscal year ends September 30th

(B) Primary egs. Next egs. report due early February. Excl. nonrecurring items '84, '37c, '88, '15c, '95, d83c

(C) Next dividend meeting early February

Goes ex mid-February. Approx. div'd payment dates: March 1, June 1, Sept 1, Dec 1. Dividend reinvestment plan available

(D) Incl. del'd chgs '95 \$56.9 mill, \$1.04/sh

(E) In millions, adj'd for stock splits

(F) Quarters may not add to total due to change in shares outstanding

Company's Financial Strength

Stock's Price Stability

Price Growth Persistence

Earnings Predictability

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# AGL RESOURCES

NYSE-ATG

RECENT PRICE

18

P/E RATIO

12.4

(Trailing: 14.0 Median 14.0)

RELATIVE P/E RATIO

0.82

DIV'D YLD

5.9%

VALUE LINE

473

TIMELINESS

(Relative Price Performance Next 12 Mos)

5 Lowest

SAFETY

(Scale 1 Highest to 5 Lowest)

2 Above Average

BETA 75

(1.00 = Market)

1999-01 PROJECTIONS

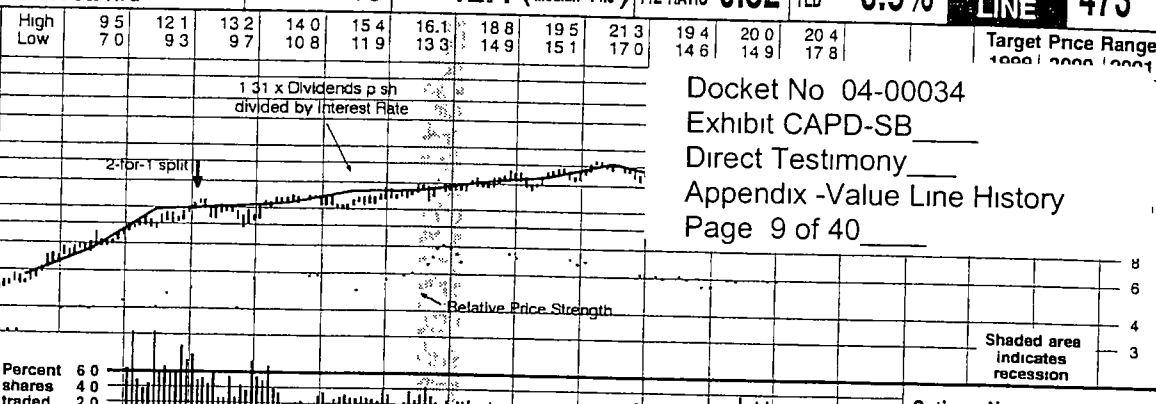
	Price	Gain	Ann'l Total Return
High	25	(+40%)	13%
Low	19	(+5%)	7%

Insider Decisions

	A	M	J	J	A	S	O	N	D
to Buy	0	0	0	1	0	0	0	0	1
Options	1	0	1	0	0	0	0	3	1
to Sell	0	0	0	0	0	0	0	0	0

Institutional Decisions

	2Q'95	3Q'95	4Q'95
to Buy	31	45	31
to Sell	23	23	28
Hld's(000)	9336	15970	10410



Docket No 04-00034

Exhibit CAPD-SB

Direct Testimony

Appendix -Value Line History

Page 9 of 40

1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	Options: None
38.56	45.72	52.11	48.27	46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	19.80	20.80	Revenues per sh A
1.70	1.63	1.50	1.60	1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.55	2.75	"Cash Flow" per sh
.78	.64	.45	.78	1.13	.91	.83	1.02	1.13	.95	1.01	1.04	1.13	1.08	1.17	1.33	1.45	1.55	Earnings per sh B
.38	.42	.45	.48	.54	.63	.70	.80	.88	.94	.98	1.02	1.03	1.04	1.04	1.04	1.06	1.12	Div'ds Decl'd per sh C
1.99	2.45	2.52	2.43	2.95	3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.00	2.00	Cap'l Spending per sh
6.26	6.49	6.45	6.37	6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.80	11.20	Book Value per sh D
18.14	18.14	18.53	23.07	26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.50	56.00	Common Shs Outst'g E
4.8	5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	12.6	12.6	Avg Ann'l P/E Ratio
64	.72	.91	.48	.44	.67	.80	.77	.92	1.04	1.05	.98	.94	1.06	.99	.96	.96	.96	Relative P/E Ratio
10.2%	11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	6.2%	6.2%	Avg Ann'l Div'd Yield

**CAPITAL STRUCTURE as of 12/31/95**  
Total Debt \$554.5 mill Due in 5 Yrs \$50.0 mill  
LT Debt \$554.5 mill LT Interest \$45.0 mill  
(LT interest earned 3.9%, total interest coverage 3.5x)

**Leases, Uncapitalized Annual rentals \$6.0 mill**

**Pension Liability None**

**Pfd Stock \$58.5 mill Pfd Div'd \$4.5 mill**  
\$14.2 mill 4.50%-8.32% cum, callable at  
\$101.96-\$105.25, \$44.5 mill 7.70% cum

**Common Stock 55,167,451 shs**

CURRENT POSITION (\$MILL)	1994	1995	12/31/95
Cash Assets	3.3	3.7	5.8
Other	267.8	216.3	332.3
Current Assets	271.1	220.0	338.1
Accts Payable	57.6	72.3	83.1
Debt Due	110.4	--	--
Other	117.9	156.0	249.7
Current Liab	285.9	228.3	332.8
Fix Chg Cov	256%	292%	321%

ANNUAL RATES of change (per sh)	Past 10 Yrs	Past 5 Yrs	Est'd '93-'95 to '99-'01
Revenues	-6.5%	-0.5%	Nil
"Cash Flow"	3.0%	3.0%	4.5%
Earnings	2.5%	3.0%	6.5%
Dividends	6.5%	2.0%	3.0%
Book Value	4.0%	2.5%	3.5%

Fiscal Year Ends	Dec. 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1993	334.1	448.2	197.7	150.3	1130.3
1994	361.9	500.2	191.2	146.6	1199.9
1995	328.8	448.2	177.5	108.5	1063.0
1996	328.8	465	185	121.2	1100
1997	350	490	195	130	1165

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1993	43	89	d 07	d 17	1.08
1994	50	98	d 09	d 21	1.17
1995	57	95	03	d 19	1.33
1996	53	87	.08	d 03	1.45
1997	.55	90	.10	Nil	1.55

Cal-endar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1992	255	26	26	26	1.04
1993	26	26	26	26	1.04
1994	26	26	26	26	1.04
1995	26	26	26	26	1.04
1996	265				1.05

**BUSINESS** AGL Resources, Inc. is a holding company its primary subsidiary is Atlanta Gas Light, which provides natural gas service in 228 Georgia municipalities and surrounding areas including metro Atlanta, Augusta, and Savannah. Also operates the Chattanooga Gas Company in Tennessee. Has about 1,378,500 customers in total. System throughput 262.0 Bcf in FY '95. System

**AGL Resources, Inc., a newly formed holding company, is the parent company of Atlanta Gas Light.** This structure was adopted in order to provide a clear separation between Atlanta's regulated and non-regulated enterprises. This distinction is likely to become increasingly important, since AGL is looking to take advantage of energy-related business opportunities that are arising from the general movement toward market competition in the regulated utility arena. True, most of the company's operating profits probably will continue to come from natural gas distribution in coming years. But now funding for any future forays into non-regulated ventures will not require regulatory approval. In addition, the new structure is more consistent with management's overall strategy, likely facilitating the implementation of its plans.

**The design of Atlanta Gas Light's rates to firm-service customers has been revised.** The change increases the monthly customer charge and decreases the charge collected based on the volume of gas used by a corresponding amount. The upshot is a portion of the utility's

throughput (oper margin) breakdown, FY '95 Residential, 35.0% (62.4%), commercial, 14.4% (20.1%), industrial and interruptible, 23.0% (9.8%), transportation and other, 27.6% (7.7%). Depr rate 3.0%. Gas cost 53.8% of revs in FY '95. Has about 3,349 empls, 17,250 shhms Pres & CEO David R Jones Inc GA. Addr 303 Peachtree St., N.E. Atlanta, GA 30308 Tel 404-584-4000

share earnings will be shifted from the winter-heating months and into the warmer months, starting this fiscal year (ends September 30th). We have adjusted our 1996 earnings estimates to reflect the new rate design. We note that the effect is on interim results only and that our estimates for 1996 and 1997 are unchanged. **Customer growth is still progressing nicely.** AGL's residential-heating roster grew by just under 3%, on average, in the December quarter, in line with 1995's advance and above the historical trend of about 2.5% a year. Customer growth ought to stay on the established path through late decade, given the city of Atlanta's attractive business environment. Hence, **AGL stock may be of interest to income-oriented investors.** The company is benefiting from last year's restructuring. And our projections suggest shareholders may receive a decent risk-adjusted total return through 1999-2001, owing to the earnings and dividend growth we envision. We also note that this stock has held its own fairly well, given the recent jump in long-term interest rates.

Charles Clark

March 29, 1996

(A) Fiscal year ends September 30th  
(B) Primary Egs Next egs report due early May Excl nonrecurring items '84, '37c, '88, '85c, '95, d83c

(C) Next dividend meeting early May Goes ex mid-May Approx div'd payment dates March 1, June 1, Sept 1, Dec 1  
■ Dividend reinvestment plan available

(D) Incl def'd chgs '95 \$56.9 mill, \$1.04/sh  
(E) In millions, adj'd for stock splits  
(F) Quarters may not add to total due to change in shares outstanding

Company's Financial Strength	B+
Stock's Price Stability	100
Price Growth Persistence	55
Earnings Predictability	80

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# AGL RESOURCES NYSE-ATG

RECENT PRICE 18

P/E RATIO 12.7 (Trailing: 15.3 Median: 14.0)

RELATIVE P/E RATIO 0.84

DIV'D YLD 6.1%

VALUE LINE 474

**TIMELINESS** 5 Lowest  
(Relative Price Performance Next 12 Mos)  
**SAFETY** 2 Above Average  
(Scale 1 Highest to 5 Lowest)  
**BETA** 75 (1.00 = Market)

## 1999-01 PROJECTIONS

Price	Gain	Ann'l Total Return
High 25	(+40%)	13%
Low 20	(+10%)	8%

## Insider Decisions

A	S	O	N	D	J	F	M	A
to Buy	0	0	0	1	0	0	0	0
Options	1	2	0	0	0	0	0	0
to Sell	0	0	0	0	0	0	0	0

## Institutional Decisions

to Buy	to Sell	to Buy	to Sell	to Buy	to Sell
52	46	45	45	57	57
27	34	57	57	57	57
14796	10889	10672			

## CAPITAL STRUCTURE as of 3/31/96

Total Debt \$621.0 mill Due in 5 Yrs \$116.5 mill  
LT Debt \$554.5 mill LT Interest \$42.5 mill  
(LT interest earned 3.6%, total interest coverage 3.3x)

**Leases, Uncapitalized Annual rentals \$8.0 mill**

**Pension Liability None**

Pfd Stock \$58.5 mill Pfd Div'd \$4.5 mill  
\$14.0 mill 4.50%-8.32% cum, callable at  
\$101.96-\$105.25, \$44.5 mill 7.70% cum

**Common Stock 55,362,112 shs**

## CURRENT POSITION

	1994	1995	3/31/96
Cash Assets	33	37	45
Other	267.8	216.3	280.3
Current Assets	271.1	220.0	284.8
Accts Payable	57.6	72.3	81.5
Debt Due	110.4	51.0	66.5
Other	117.9	107.6	126.0
Current Liab	285.9	230.9	274.0
Fix Chg Cov	250%	288%	271%

## ANNUAL RATES

	Past 10 Yrs	Past 5 Yrs	Est'd '93-'95
Revenues	-6.5%	-0.5%	1.0%
"Cash Flow"	3.0%	3.0%	4.0%
Earnings	2.5%	3.0%	7.0%
Dividends	6.5%	2.0%	3.0%
Book Value	4.0%	2.5%	2.5%

## QUARTERLY REVENUES (\$ mil.)

Fiscal Year Ends	Dec. 31	Mar. 31	Jun. 30	Sep. 30	Full Fiscal Year
1993	334.1	448.2	197.7	150.3	1130.3
1994	361.9	500.2	191.2	146.6	1199.9
1995	328.8	448.2	177.5	108.5	1063.0
1996	328.8	478.8	190	122.4	1120
1997	350	505	200	130	1185

## EARNINGS PER SHARE

Fiscal Year Ends	Dec. 31	Mar. 31	Jun. 30	Sep. 30	Full Fiscal Year
1993	43	89	0.07	0.17	1.08
1994	50	98	0.09	0.21	1.17
1995	57	95	0.03	0.19	1.33
1996	53	81	.09	0.03	1.40
1997	.55	.85	.10	Nil	1.50

## QUARTERLY DIVIDENDS PAID

Calendar	Mar. 31	Jun. 30	Sep. 30	Dec. 31	Full Year
1992	255	26	26	26	1.04
1993	26	26	26	26	1.04
1994	26	26	26	26	1.04
1995	26	26	26	265	1.05
1996	265	265			

A) Fiscal year ends September 30th

B) Primary egs Next egs report due early August Excl nonrecurring items '84, '37, '88, '15, '95, d83c

C) Next dividend meeting early August Goes ex mid-August Approx div'd payment dates March 1, June 1, Sept. 1, Dec 1

D) Incl def'd chgs '95 \$56.9 mill, \$1.04/sh

E) In millions, adj'd for stock splits

F) Quarters may not add to total due to change in shares outstanding

**BUSINESS** AGL Resources, Inc is a holding company its primary subsidiary is Atlanta Gas Light, which provides natural gas service in 229 Georgia municipalities and surrounding areas including metro Atlanta, Augusta, and Savannah Also operates the Chattanooga Gas Company in Tennessee Has about 1,372,700 customers in total System throughput 262.0 Bcf in FY '95 System

## AGL Resources received stockholder approval for its restructuring plan on March 6. AGL is looking to boost operating results through expansion into non-regulated, somewhat riskier, arenas

The separation of the main business, Atlanta Gas Light Co, as an independent unit allows AGL to pursue nonregulated opportunities without approval of the Georgia Public Service Commission A recent move along these lines is AGL's formation of EnerConnect, a retail marketing unit, to provide energy procurement and management services to industrial and large commercial clients

## We expect modest share earnings growth in fiscal 1996 and 1997. (Years end September 30)

Quarterly year-to-year earnings comparisons in fiscal 1996 have been skewed due to mandated revisions of rates to firm-service customers The new rate structure essentially transfers earnings from the colder periods into the spring and summer months, while maintaining the same overall yearly level of earnings The Summer Olympics, to be hosted in Atlanta, might also boost AGL's bottom line this year, as the city's metro-

throughput (oper margin) breakdown, FY '95 Residential, 35.0% (62.4%), commercial, 14.4% (20.1%), industrial and interruptible, 23.0% (9.8%), transportation and other; 27.6% (7.7%) Depr rate 3.0% Gas cost 53.8% of revs in FY '95 Has about 3,349 empls, 17,250 shrdrs Pres & CEO David R Jones Inc GA Addr 303 Peachtree St, N.E., Atlanta, GA 30308 Tel 404-584-4000

## area population of 3.5 million will be supplemented by 2 million people. Earnings through late decade should continue to rise as a result of customer growth at about a 2.5% to 3.0% annual clip and favorable economic conditions in Georgia

The Atlanta market, in particular, ought to be particularly strong in the coming years due to its expanding infrastructure **Upcoming capital expenditures will probably center on system upgrades.** Management intends to further expand AGL's natural gas system, due largely to unusually cold weather this past winter-heating season and likely customer additions. We expect AGL to supplement its "cash flow" with debt and equity to fund this expansion, maintaining fairly consistent capitalization ratios along the way **This issue is probably best suited for income investors.** Recent price activity and a rise in long-term interest rates suggest that appreciation potential is below average for the upcoming year This stock's investment merit lies primarily in its current dividend yield and decent total return potential to decade's end

Oscar L. Vidal. June 28, 1996

Company's Financial Strength	B+
Stock's Price Stability	100
Price Growth Persistence	55
Earnings Predictability	80

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**Earnings Predictability** 85



<b>TIMELINESS</b> (Relative Price Performance Next 12 Mos)	4 Below Average	High	9 5	12 1	13 2	14 0	15 4	16 1	18 8	19 5	21 3	19 4	20 0	22 0	Target Price Range
<b>SAFETY</b> (Scale 1 Highest to 5 Lowest)	2 Above Average	Low	7 0	9 3	9 7	10 8	11 9	13 3	14 9	15 1	17				
<b>BETA</b> 75 (1.00 = Market)															

**1999-01 PROJECTIONS**

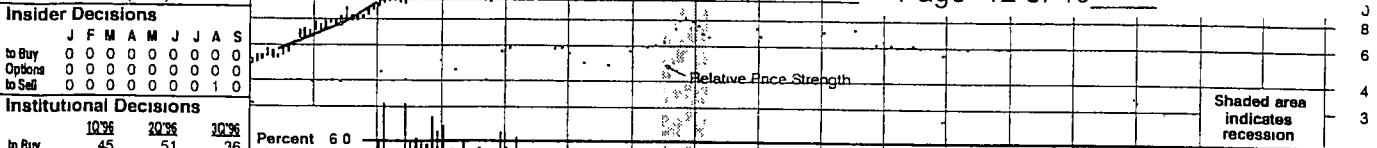
Price	Gain	Ann'l Total Return
High 30	(+45%)	13%
Low 20	(-5%)	4%

**Insider Decisions**

J	F	M	A	M	J	J	A	S
to Buy	0	0	0	0	0	0	0	0
Options	0	0	0	0	0	0	0	0
to Sell	0	0	0	0	0	0	0	0

**Institutional Decisions**

10/96	20/96	30/96	Percent shares traded
to Buy 45	51	36	6.0
to Sell 57	35	47	4.0
Hld's (000)	10672	12890	12377



**Options: None**

1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	© VALUE LINE PUB, INC	99-01
38 56	45 72	52 11	48 27	46 00	37 42	27 58	26 24	22 97	21 63	22 58	20 26	20 43	22 73	23 59	19 32	21 91	22 80	Revenues per sh <sup>A</sup>	26 15
1 70	1 63	1 50	1 60	1 87	1 69	1 52	1 84	1 90	1 93	2 04	2 07	2 31	2 25	2 24	2 33	2 49	2 70	"Cash Flow" per sh	3 05
78 64	64 45	78 11	78 11	91 63	91 63	83 102	1 02 113	95 101	1 04 113	1 08 108	1 17 133	1 37 137	1 50 150	1 50 150	1 50 150	1 50 150	1 50 150	Earnings per sh <sup>B</sup>	1 80
38 42	45 48	54 48	54 48	63 63	70 70	80 80	88 88	94 94	98 98	1 02 103	1 03 104	1 04 104	1 04 104	1 04 104	1 06 106	1 06 106	1 08 108	Div'ds Decl'd per sh <sup>C</sup>	1 26
1 99	2 45	2 52	2 43	2 95	3 01	3 30	3 59	2 86	2 65	2 73	2 95	2 74	2 49	2 37	2 17	2 37	2 10	Cap'l Spending per sh	2 10
6 26	6 49	6 45	6 37	6 92	7 12	7 59	7 89	8 72	8 83	8 97	9 42	9 70	9 90	10 19	10 12	10 56	10 80	Book Value per sh <sup>D</sup>	11 85
18 14	18 14	18 53	23 07	26 64	31 12	36 55	37 48	42 47	43 40	44 32	47 57	48 69	49 72	50 86	55 02	55 70	57 00	Common Shs Outst'g <sup>E</sup>	60 00
4 8	5 9	8 3	5 7	4 7	8 3	11 8	11 5	11 1	13 7	14 2	15 3	15 5	17 9	15 1	12 6	13 8		Avg Ann'l P/E Ratio	14 0
64	72	91	48	44	67	80	77	92	1 04	1 05	98	94	1 06	99	84	86		Relative P/E Ratio	1 10
10 2%	11 1%	12 0%	10 9%	10 1%	8 4%	7 1%	6 8%	7 1%	7 2%	6 8%	6 4%	5 9%	5 4%	5 9%	6 2%	5 6%		Avg Ann'l Div'd Yield	5 0%

**CAPITAL STRUCTURE as of 9/30/96**  
 Total Debt \$706 5 mill Due in 5 Yrs \$222 0 mill  
 LT Debt \$554 5 mill LT Interest \$42 5 mill  
 (LT interest earned 3 9x, total interest coverage 3 5x)

**Leases, Uncapitalized Annual rentals \$6 1 mill**  
**Pension Liability \$4 9 mill in '96 vs \$10 3 mill in '95**

**Pfd Stock \$58 5 mill Pfd Div'd \$4 4 mill**  
 \$14 0 mill 4 50%-8 32% cum, callable at  
 \$101 96-\$105 25, \$44 5 mill 7 70% cum

**Common Stock 55,700,000 shs**

CURRENT POSITION	1994	1995	9/30/96
Cash Assets	3 3	3 7	8 7
Other	267 8	216 3	280 5
Current Assets	271 1	220 0	289 2
Accts Payable	57 6	72 3	73 7
Debt Due	110 4	51 0	152 0
Other	117 9	107 6	96 8
Current Liab	285 9	230 9	322 5
Fix Chg Cov	250%	286%	280%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '94-'96	to '99-'01
Revenues	-5 0%	-	-	4 0%
"Cash Flow"	3 5%	3 0%	-	5 5%
Earnings	3 0%	5 5%	-	7 0%
Dividends	5 5%	1 5%	-	4 0%
Book Value	3 5%	2 5%	-	3 0%

Fiscal Year Ends	Dec.31	Mar.31	Jun.30	Sep.30	Full Fiscal Year
1993	334 1	448 2	197 7	150 3	1130 3
1994	361 9	500 2	191 2	146 6	1199 9
1995	328 8	448 2	177 5	108 5	1063 0
1996	328 8	478 8	241 1	171 5	1220 2
1997	360	520	255	165	1300

Fiscal Year Ends	Dec.31	Mar.31	Jun.30	Sep.30	Full Fiscal Year
1993	43	89	d 07	d 17	1 08
1994	50	98	d 09	d 21	1 17
1995	57	95	03	d 19	1 33
1996	53	81	06	d 04	1 37
1997	55	85	10	Nil	1 50

Cal-endar	Mar.31	Jun.30	Sep.30	Dec.31	Full Year
1992	255	26	26	26	1 04
1993	26	26	26	26	1 04
1994	26	26	26	26	1 04
1995	26	26	26	265	1 05
1996	265	265	265	27	

**AGL Resources ought to post a healthy share-earnings advance in fiscal 1997 ... (Years end September 30th)**  
 One driver for this anticipated rise in income will likely be meter additions for Atlanta Gas Light Company, its regulated gas distribution subsidiary. In fiscal 1996, the utility's number of customers increased by approximately 3 1%, versus the industry average of about 1 7%. Over the next few years, we believe that the distributor can maintain a 2 5%-to-3 0% customer growth rate, given the apparent strength in Atlanta's economy and various infrastructural needs. Ongoing efforts to improve efficiency (as measured by operations and maintenance expense per customer and customers served per employee) should also help the bottom line. Weather-normalization riders in the utility's rates ought to provide earnings stability and ease the company's efforts to earn its authorized return on equity. In fact, over the past three years, Atlanta Gas Light has exceeded its allowed return ... and long-term prospects for AGL's nonregulated operations look promising. Such businesses include wholesale

natural gas and power marketing, wholesale and retail propane sales, and energy management services. Start-up expenses for some of these ventures will likely partially offset the aforementioned fiscal 1997 share-net gains. Such costs, however, should be more than recovered in subsequent years. This already seems evident in the case of the gas marketing operations. In fiscal 1996, the marketing units reported \$3 1 million in net income, providing the major portion of AGL's year-to-year earnings-per-share increase. By the year 2000, management expects non-regulated businesses to account for roughly 25% of the bottom line.

**AGL's primary investment merit lies in its dividend.** Strong operating results and continued speculation on gas and electric industry mergers have steadily pushed this stock's P/E ratio higher in 1996. Due, in part, to this price strength, 3- to 5-year appreciation potential is unexciting. The dividend yield, though, holds at about the industry average. The Safety rank is above average, making the issue well-suited for conservative, income-oriented investors.

Oscar L. Vidal December 27, 1996

(A) Fiscal year ends September 30th	(C) Next dividend meeting early February	(E) Incl def'd chgs \$6 \$12 2 mill, \$1 10/sh	Company's Financial Strength	B+
(B) Primary eggs Next eggs report due early February Excl nonrecurring items '84, '37, '88, '92, '95, d83c	Goes ex mid-February Approx div'd payment dates March 1, June 1, Sept 1, Dec 1	(F) In millions, adjusted for stock splits	Stock's Price Stability	95
	Reinvestment plan available	Quarters may not add to total due to change in shares outstanding	Price Growth Persistence	35
			Earnings Predictability	85

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# AGL RESOURCES

NYSE-ATG

RECENT  
PRICE

20

P/E RATIO

13.8

(Trailing 147  
Median 14.0)

RELATIVE  
P/E RATIO

0.87

DIV'D  
YLD

5.6%

VALUE  
LINE

472

**TIMELINESS**  
(Relative Price Performance Next 12 Mos)

5 Lowest

**SAFETY**  
(Scale 1 Highest to 5 Lowest)

2 Above Average

**BETA** 70  
(1.00 = Market)

**2000-02 PROJECTIONS**

Price Gain Ann'l Total  
High Low 30 25 (+50%) 15%  
Low 25 (+25%) 11%

**Insider Decisions**

M J J A S O N D J  
to Buy 0 0 0 0 0 0 0 0 0 0  
Options 0 0 0 0 0 2 6 0 0 0  
to Sell 0 0 0 1 0 0 0 0 0 0

**Institutional Decisions**

20% 30% 40%  
to Buy 51 36 41  
to Sell 35 47 41  
Hd's(000) 12890 12377 11895

High	12.1	13.2	14.0	15.4	16.1	18.8	19.5	21.3	19.4	20.0	22.0	21.6	Target Price Range
Low	9.3	9.7	10.8	11.9	13.3	14.9	15.1	17.0	14.6	14.9	17.1	19.4	2000   2001   2002

1.31 x Dividends p sh divided by Interest Rate

2-for-1 split

Relative Price Strength

Shaded area indicates recession

Options: None

1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	VALUE LINE PUB, INC	00-02
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	---------------------	-------

45.72	52.11	48.27	46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	23.55	24.65	Revenues per sh A	29.15
1.63	1.50	1.60	1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.32	2.49	2.70	2.80	"Cash Flow" per sh	3.20
64	45	78	113	91	83	102	113	95	101	104	113	108	117	133	137	145	155	Earnings per sh B	1.90
42	45	48	54	63	70	80	88	94	98	102	103	104	104	104	106	108	114	Div'ds Decl'd per sh C	1.30
2.45	2.52	2.43	2.95	3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.15	2.20	Cap'l Spending per sh	2.25
6.49	6.45	6.37	6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.90	11.20	Book Value per sh D	12.65
18.14	18.53	23.07	26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.25	57.00	Common Shs Outst'g E	58.00
5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	13.8	14.0	Avg Ann'l P/E Ratio	14.0
72	91	48	44	67	80	77	92	104	105	98	94	106	99	84	86	86	86	Relative P/E Ratio	1.00
11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.6%	5.6%	Avg Ann'l Div'd Yield	5.0%

**CAPITAL STRUCTURE as of 12/31/96**  
Total Debt \$773.3 mill Due in 5 Yrs \$258.8 mill  
LT Debt \$584.5 mill LT Interest \$43.8 mill  
(LT interest earned 3.9%, total interest coverage 3.5x)

**Leases, Uncapitalized Annual rentals \$6.1 mill**  
**Pension Liability \$4.9 mill in '96 vs \$10.3 mill in '95**

**Pfd Stock \$58.5 mill Pfd Div'd \$4.4 mill**  
**\$14.0 mill 4.50%-8.32% cum, callable at \$101.96-\$105.25, \$44.5 mill 7.70% cum**

**Common Stock 55,867,649 shs**

**CURRENT POSITION 1995 1996 12/31/96**

Cash Assets	37	87	11
Other	216.3	280.5	403.5
Current Assets	220.0	289.2	404.6
Accts Payable	72.3	73.7	108.7
Debt Due	51.0	152.0	188.8
Other	107.6	96.8	105.5
Current Liab	230.9	322.5	403.0
Fix Chg Cov	288%	280%	282%

**ANNUAL RATES Past Past Est'd '94-'96**  
**of change (per sh) 10 Yrs 5 Yrs to '00-'02**

Revenues	-5.0%	-	5.0%
"Cash Flow"	3.5%	3.0%	5.5%
Earnings	3.0%	5.5%	6.5%
Dividends	5.5%	1.5%	3.5%
Book Value	3.5%	2.5%	3.5%

**Fiscal Year Ends QUARTERLY REVENUES (\$mill) A Full Fiscal Year**

1994	361.9	500.2	191.2	146.6	1199.9
1995	328.8	448.2	177.5	108.5	1063.0
1996	328.8	478.8	241.1	171.5	1220.2
1997	379.6	520	255	170.4	1325
1998	400	550	275	180	1405

**Fiscal Year Ends EARNINGS PER SHARE A B F Full Fiscal Year**

ends	Dec 31	Mar 31	Jun 30	Sep 30	Year
1994	50	98	d 09	d 21	1
1995	57	95	03	d 19	1
1996	53	81	06	d 04	1

**Cal-endar QUARTERLY DIVIDENDS PAID C Full Year**

Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1993	26	26	26	1.04
1994	26	26	26	1.04
1995	26	26	26	1.05
1996	265	265	265	1.07
1997	27			

**BUSINESS** AGL Resources, Inc. is a holding company. Its primary subsidiary is Atlanta Gas Light Co., which distributes natural gas to about 1.4 million customers in Georgia and southern Tennessee. Also involved in natural gas and power marketing, energy management services, and wholesale and retail propane sales. System throughput 289.2 Bcf in fiscal '96. System throughput breakdown, fiscal '96: residential, 40.3%, commercial, 18.6%, industrial, 15.5%, transportation and other, 25.6%. Depreciation rate 3.3%. Gas cost 59.0% of revenues in fiscal '96. Has about 2,950 employees, 16,760 shareholders. President & CEO David R. Jones. Incorporated in Georgia. Addr 303 Peachtree St., N.E., Atlanta, GA 30308. Tel 404-584-9470. Internet addr http://www.agl.com

**We have trimmed AGL Resources' fiscal 1997 share-earnings estimate by a nickel. (Year ends September 30, 1997)**

This stems partly from higher-than-expected operating expenses in the fiscal 1997 first quarter that resulted in share net a few pennies below our expectation. Also, temperatures have remained warmer than normal through the end of February, 1997. This is not much of a concern for AGL's gas-distribution segment, since its rates contain weather-normalization adjustment riders. The climate, though, will likely have an effect on earnings from the company's nonregulated 35% Sonat Marketing joint venture, which is engaged in wholesale gas marketing.

**AGL's nonregulated efforts should account for the bulk of share-net advances in fiscal 1998 and beyond.** Management recently announced the acquisition of Jordan Gas Propane Companies, effective February 1, 1997. This deal essentially triples AGL's propane sales volumes, making it the 30th largest propane distribution company in the nation. As a result, we expect this segment's total bottom-line contribution to triple as well, to almost

**\$0.06 a share.** Despite the aforementioned weather effects on gas marketing operations, we still anticipate solid income streams going forward in this area. AGL's fledgling retail energy business has already shown some profitability. All told, the company is shooting for about a 25% contribution to earnings from the nonregulated operations by the year 2000, versus 5% in fiscal 1996.

**These shares are best suited for income-oriented investors.** AGL's non-regulated opportunities will likely serve as a welcome complement to its solid, regulated distribution operations. Healthy economic conditions in Atlanta should allow the utility to maintain its above-industry-average customer growth. The lack of positive price and earnings momentum of late are primary factors behind this stock's unfavorable Timeliness rank. Three- to five-year appreciation potential is also subpar. This issue's primary investment merit lies in its dividend. The yield is currently at 5.6%, slightly higher than the natural gas distribution industry average, and we are projecting modest growth in the payout.

Oscar L. Vidal March 28, 1997

(A) Fiscal year ends September 30th

(B) Primary earnings report due early May. Excl nonrecurring items '84, 37c, '88, 15c, '95, d83c

(C) Next dividend meeting about early May

Goes ex mid-May. Approx div'd payment dates March 1, June 1, Sept 1, Dec 1. Dividend reinvestment plan available

(D) Incl def'd chgs '96 \$61.2 mill, \$1.10/sh

(E) In millions, adjusted for stock splits. (F) Quarters may not add to total due to change in shares outstanding

Company's Financial Strength B+

Stock's Price Stability 95

Price Growth Persistence 35

Earnings Predictability 85

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<b>AGL RESOURCES</b> NYSE-ATG				RECENT PRICE	20	P/E RATIO	13.4 (Trailing 14.0 Median 14.0)	RELATIVE P/E RATIO	0.79	DIV'D YLD	5.7%	VALUE LINE	471
-------------------------------	--	--	--	--------------	----	-----------	----------------------------------	--------------------	------	-----------	------	------------	-----

**TIMELINESS** (Relative Price Performance Next 12 Mos) **4** Below Average

**SAFETY** (Scale 1 Highest to 5 Lowest) **2** Above Average

**BETA** 70 (1.00 = Market)

**2000-02 PROJECTIONS**

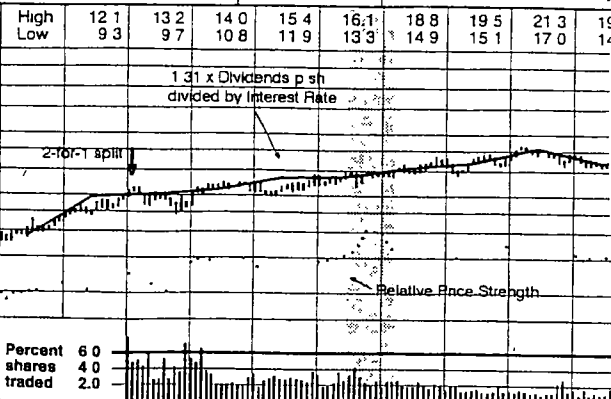
	Price	Gain	Ann'l Total Return
High	30	(+50%)	15%
Low	25	(+25%)	11%

**Insider Decisions**

	A	S	O	N	D	J	F	M	A
to Buy	0	0	0	0	0	1	1	0	0
to Sell	0	0	0	0	0	0	0	0	0

**Institutional Decisions**

	20%	30%	40%
to Buy	51	36	41
to Sell	35	47	41
Hld's(000)	12890	12377	11895



Docket No 04-00034  
Exhibit CAPD-SB  
Direct Testimony  
Appendix -Value Line History  
page 14 of 40

1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	© VALUE LINE PUB, INC	00-02
45 72	52 11	48 27	46 00	37 42	27 58	26 24	22 97	21 63	22 58	20 26	20 43	22 73	23 59	19 32	21 91	23 10	24 10	Revenues per sh <sup>A</sup>	28 45
1 63	1 50	1 60	1 87	1 69	1 52	1 84	1 90	1 93	2 04	2 07	2 31	2 25	2 24	2 33	2 49	2 70	2 85	"Cash Flow" per sh	3 25
64	45	78	1 13	91	83	1 02	1 13	95	1 01	1 04	1 13	1 08	1 17	1 33	1 37	1 45	1 55	Earnings per sh <sup>B</sup>	1 90
42	45	48	54	63	70	80	88	94	98	1 02	1 03	1 04	1 04	1 04	1 06	1 08	1 14	Div'ds Decl'd per sh <sup>C</sup>	1 30
2 45	2 52	2 43	2 95	3 01	3 30	3 59	2 86	2 65	2 73	2 95	2 74	2 49	2 37	2 17	2 37	2 05	2 10	Cap'l Spending per sh	2 25
6 49	6 45	6 37	6 92	7 12	7 59	7 89	8 72	8 83	8 97	9 42	9 70	9 90	10 19	10 12	10 56	10 90	11 20	Book Value per sh <sup>D</sup>	12 65
18 14	18 53	23 07	26 64	31 12	36 55	37 48	42 47	43 40	44 32	47 57	48 69	49 72	50 86	55 02	55 70	56 25	57 00	Common Shs Outst'g <sup>E</sup>	58 00
5 9	8 3	5 7	4 7	8 3	11 8	11 5	11 1	13 7	14 2	15 3	15 5	17 9	15 1	12 6	13 8	14 5	15 0	Avg Ann'l P/E Ratio	14 0
72	91	48	44	67	80	77	92	1 04	1 05	98	94	1 06	99	84	86	88	88	Relative P/E Ratio	1 00
11 1%	12 0%	10 9%	10 1%	8 4%	7 1%	6 8%	7 1%	7 2%	6 8%	6 4%	5 9%	5 4%	5 9%	6 2%	5 6%	5 6%	5 6%	Avg Ann'l Div'd Yield	5 0%

**CAPITAL STRUCTURE** as of 3/31/97  
Total Debt \$697.5 mill Due in 5 Yrs \$183.0 mill  
LT Debt \$584.5 mill LT Interest \$43.8 mill  
(LT interest earned 3.9%, total interest coverage 3.5x)

Leases, Uncapitalized Annual rentals \$6.1 mill  
Pension Liability \$4.9 mill in '96 vs \$10.3 mill in '95

Pfd Stock \$58.5 mill Pfd Div'd \$4.4 mill  
\$14.0 mill 4.50%-8.32% cum, callable at \$101.96-\$105.25, \$44.5 mill 7.70% cum

Common Stock 56,059,806 shs

CURRENT POSITION	1995	1996	3/31/97
Cash Assets	3 7	8 7	8 7
Other	216 3	280 5	305 0
Current Assets	220 0	289 2	313 7
Accts Payable	72 3	73 7	58 6
Debt Due	51 0	152 0	113 0
Other	107 6	96 8	136 6
Current Liab	230 9	322 5	308 2
Fix Chg. Cov	288%	280%	291%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '94-'96
Revenues	5.0%	4.5%	4.5%
"Cash Flow"	3.5%	3.0%	5.5%
Earnings	3.0%	5.5%	6.5%
Dividends	5.5%	1.5%	3.5%
Book Value	3.5%	2.5%	3.5%

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1994	361 9	500 2	191 2	146 6	1199 9
1995	328 8	448 2	177 5	108 5	1063 0
1996	328 8	478 8	241 1	171 5	1220 2
1997	379 6	496 7	250	173 7	1300
1998	405	525	265	180	1375

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1994	50	98	d 09	d 21	1 17
1995	57	95	03	d 19	1 33
1996	53	81	06	d 04	1 37
1997	53	88	05	d 01	1 45
1998	57	94	05	d 01	1 55

Cal-endar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1993	26	26	26	26	1 04
1994	26	26	26	26	1 04
1995	26	26	26	265	1 05
1996	265	265	265	27	1 07
1997	27	27			

**BUSINESS** AGL Resources, Inc. is a holding company. Its primary subsidiary is Atlanta Gas Light Co., which distributes natural gas to more than 1.4 million customers in Georgia and southern Tennessee. Also involved in natural gas and power marketing, energy management services, and wholesale and retail propane sales.

System throughput 289.2 Bcf in fiscal '96. System throughput breakdown, fiscal '96: residential, 40.3%, commercial, 18.6%, industrial, 15.5%, transportation and other, 25.6%. Depreciation rate 3.3%. Gas cost 59.0% of revenues in fiscal '96. Has about 2,950 employees, 16,760 shareholders. Pres & CEO David R. Jones. Incorporated in Georgia. Addr: 303 Peachtree St., N.E., Atlanta, GA 30308. Tel: 404-584-9470. Internet addr: <http://www.agl.com>

**AGL Resources is on track to meet our fiscal 1997 and 1998 share-earnings estimates of \$1.45 and \$1.55, respectively.** (Years end September 30th) A significant driver of this should be above-industry-average meter additions. Customer growth ought to hold close to this pace going forward, considering the favorable economic conditions in Atlanta.

**Nonregulated efforts' contributions to share-net advances should steadily increase in the pull to 2000-2002.** Over the next five years, AGL is looking for a 25% contribution to total earnings here (versus 5% in fiscal 1996). The recently announced acquisition of Capital Fuels Inc., a small retail propane distributor, complements last February's purchase of Jordan Gas Propane Companies. We expect propane operations to contribute roughly \$0.06 a share to income annually. Moreover, AGL's 35% Sonat Marketing joint venture has become the eighth-largest wholesale gas marketer in the United States.

**Potential unbundling of AGL's utility operations may provide further non-regulated business opportunities.** Last

April, Georgia enacted "The Natural Gas Competition and Deregulation Act." The law provides AGL the option to open its gas system to competition. That is expected to lead to unregulated sales opportunities for gas marketers, including the company's own Energy Spring subsidiary. The Georgia Public Service Commission, AGL's regulatory body, has yet to complete the rulemaking process necessary to implement the new law. AGL is currently adopting a "wait and see" attitude as the new rules evolve to determine how the act would affect the company. AGL will probably elect whether or not to unbundle its system sometime in calendar 1998. We suspect that the new regulations will be a plus for the company's profits in time.

**This issue is well-suited for conservative, income-oriented investors.** The dividend yield remains slightly above the gas distribution industry average. Furthermore, we believe that AGL's nonregulated businesses serve as a good partner to solid utility assets, permitting good earnings and dividend growth.

Oscar L. Vidal

June 27, 1997

(A) Fiscal year ends September 30th  
(B) Primary eggs. Next eggs report due early Aug. Excl. nonrecurring items '84, 37c, '88, 15c, '95, d83c

(C) Next dividend meeting about early Aug. Goes ex mid-Aug. Approx. div'd payment dates: March 1, June 1, Sept 1, Dec 1. Dividend reinvestment plan available.

(D) Incl. def'd chgs. '96 \$61.2 mill, \$1.10/sh  
(E) In millions, adjusted for stock splits  
(F) Quarters may not add to total due to change in shares outstanding

Company's Financial Strength	B+
Stock's Price Stability	95
Price Growth Persistence	35
Earnings Predictability	85

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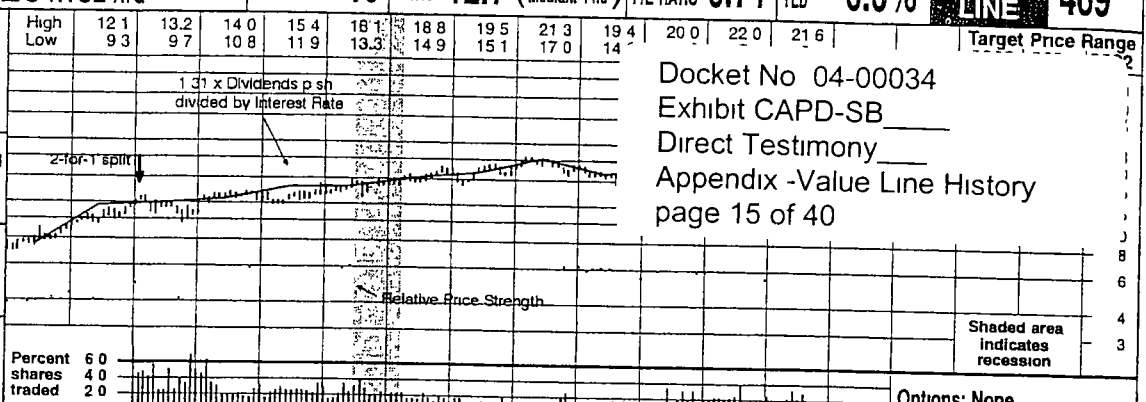
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**TIMELINESS** 5 Lowest  
(Relative Price Performance Next 12 Mos)  
**SAFETY** 2 Above Average  
(Scale 1 Highest to 5 Lowest)  
**BETA** 70 (1.00 = Market)

**2000-02 PROJECTIONS**  
Price 30 Gain (+60%) Ann'l Total Return 16%  
High 25 Low 25 (+30%) 12%

**Insider Decisions**  
N D J F M A M J J  
to Buy 0 0 1 1 0 0 0 0 0  
Options 6 0 0 1 0 0 0 0 0  
to Sell 0 0 0 0 0 0 0 0 0

**Institutional Decisions**  
to Buy 36 41 43  
to Sell 47 41 40  
Hld's(000) 12377 11895 12050  
Percent shares traded 6.0 4.0 2.0



Docket No 04-00034  
Exhibit CAPD-SB  
Direct Testimony  
Appendix -Value Line History  
page 15 of 40

1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	Options: None		
45.72	52.11	48.27	46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.35	23.30	VALUE LINE PUB., INC.	00-02	
1.63	1.50	1.60	1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.65	2.80	Revenues per sh <sup>A</sup>	27.65	
64	45	78	113	91	83	102	113	95	101	104	113	108	117	133	137	140	155	"Cash Flow" per sh	3.25	
42	45	48	54	63	70	80	88	94	98	102	103	104	104	104	106	108	114	Earnings per sh <sup>B</sup>	1.90	
2.45	2.52	2.43	2.95	3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.30	2.00	Div'ds Decl'd per sh <sup>C</sup>	1.30	
6.49	6.45	6.37	6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.75	11.05	Cap'l Spending per sh	2.15	
18.14	18.53	23.07	26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	57.00	58.00	Book Value per sh <sup>D</sup>	12.60	
5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	Bold figures are Value Line estimates		Common Shs Outst'g <sup>E</sup>	59.00	
72	91	48	44	67	80	77	92	104	105	98	94	106	99	84	86			Avg Ann'l P/E Ratio	14.0	
11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%			Relative P/E Ratio	1.00	
CAPITAL STRUCTURE as of 6/30/97 Total Debt \$618.0 mill Due in 5 Yrs \$104.0 mill LT Debt \$584.5 mill LT Interest \$43.8 mill (LT interest earned 3.8x, total interest coverage 3.4x)																		Avg Ann'l Div'd Yield		4.9%
Leases, Uncapitalized Annual rentals \$6.1 mill Pension Liability None in '96 vs \$4.9 mill in '95																		Revenues (\$mill) <sup>A</sup>		1630
																		Net Profit (\$mill)		115
Pfd Stock \$118.8 mill Pfd Div'd \$10.5 mill \$74.3 mill 8.17% subsidiary obligated mandatorily redeemable pfd secs, \$44.5 mill 7.70% cum																		Income Tax Rate		38.0%
																		Net Profit Margin		7.1%
Common Stock 56,456,402 shs																		Long-Term Debt Ratio		47.0%
																		Common Equity Ratio		48.0%
CURRENT POSITION 1995 1996 6/30/97																		Total Capital (\$mill)		1550
																		Net Plant (\$mill)		1650
																		% Earned Total Cap'l		9.0%
																		% Earned Net Worth		14.0%
																		% Earned Com Equity		15.5%
																		% Retained to Com Eq		4.5%
																		% All Div'ds to Net Prof		70%

**BUSINESS** AGL Resources, Inc. is a holding company. Its primary subsidiary is Atlanta Gas Light Co., which distributes natural gas to more than 1.4 million customers in Georgia and southern Tennessee. Also involved in natural gas and power marketing, energy management services, and wholesale and retail propane sales. System throughput: 289.2 Bcf in fiscal '96. System throughput

breakdown, fiscal '96: residential, 40.3%; commercial, 18.6%; industrial, 15.5%; transportation and other, 25.6%. Depreciation rate 3.3%. Gas cost 59.0% of revenues in fiscal '96. Has about 2,950 employees, 16,760 shareholders. Pres & CEO David R. Jones. Incorporated in Georgia. Addr 303 Peachtree St., N.E., Atlanta, GA 30308. Tel 404-584-9470. Internet addr <http://www.aglr.com>

**We expect continued share-earnings advances for AGL Resources through fiscal 1998 (ends September 30th).** The company's utility operations remain solid. The bottom line should be helped along by above industry average customer growth at about a 2% to 3% clip. We believe that this rate of meter additions is sustainable in light of healthy economic trends in Atlanta. Furthermore, the gas distributor seems to have a good handle on its operating expenses.

ought to result in nonregulated sales opportunities for gas marketers, such as the company's Energy Spring unit. At this point, with rulemaking still pending to implement the act, the jury is out with regard to the bottom-line benefits for AGL. Nonetheless, the company is ultimately seeking a 25% nonregulated contribution to total earnings over the next five years, versus 5% in fiscal 1996.

**The nonregulated businesses are apt to provide a considerable boost to income per share.** Acquisitions earlier this year have enabled AGL's wholesale and retail propane operations to become the 30th largest nationwide. We expect annual share net from this segment of a little more than a nickel. The retail marketing subsidiary formed in July, 1996 is well on its way and making significant profit contributions. Management is currently exploring its options with respect to "The Natural Gas Competition and Deregulation Act" recently passed in Georgia. Under the new law, AGL will have the option to open its gas system to competition. This

**AGL strengthened its balance sheet somewhat with the June issue of nearly \$75 million in hybrid preferred securities.** The company ultimately wants to call all of its other remaining preferred shares, leading to a lower after-tax cost of capital. **This issue is appropriate for conservative, total-return-oriented accounts.** The dividend yield exceeds the gas distribution industry mean by about a percentage point. Also, 3- to 5-year appreciation potential is a bit above average. As a result, this stock provides a worthwhile projected total return over the pull to 2000-2002. Risk is limited as well, judging from the Safety rank of 2 (Above Average).

# AGL RESOURCES NYSE-ATG

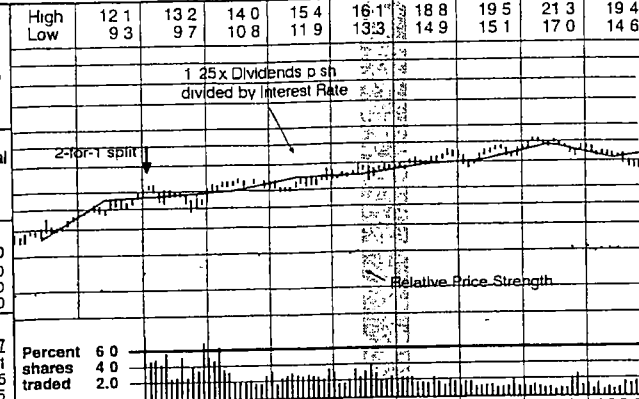
RECENT PRICE 19 P/E RATIO 14.5 (Trailing: 13.8 Median 14.0) RELATIVE P/E RATIO 0.84 DIV'D YLD 6.0% VALUE LINE 467

**TIMELINESS** (Relative Price Performance - since Next 12 Mos) 5 Lowest  
**SAFETY** (Scale 1 Highest to 5 Lowest) 2 Above Average  
**BETA** 75 (1.00 = Market)

**2000-02 PROJECTIONS**  
 Price 30 (+60%)  
 Gain 20 (+5%)  
 Ann'l Total Return 16%  
 High Low 20 7%

**Insider Decisions**  
 F M A M J J A S O  
 to Buy 1 0 0 0 0 0 0 1 0  
 to Sell 1 0 0 0 0 0 0 0 0  
 Options 0 0 0 0 0 0 0 0 0

**Institutional Decisions**  
 4Q % 1Q % 2Q %  
 to Buy 41 43 41  
 to Sell 41 40 35  
 Hld's (000) 11895 12050 12725



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 Exhibit CAPD-SB  
 Direct Testimony  
 Appendix -Value Line History  
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1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
45.72	52.11	48.27	46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.85
1.63	1.50	1.60	1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.55	2.55
64	45	78	113	91	83	102	113	95	101	104	113	108	117	133	137	137	130
42	45	48	54	63	70	80	88	94	98	102	103	104	104	104	106	108	108
2.45	2.52	2.43	2.95	3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.60	2.10
6.49	6.45	6.37	6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	11.00	11.30
18.14	18.53	23.07	26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.00
5.9	8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	13.8	
72	91	48	44	67	80	77	92	104	105	98	94	106	99	84	86	79	
11.1%	12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.7%	

**CAPITAL STRUCTURE** as of 6/30/97  
 Total Debt \$618.0 mill Due in 5 Yrs \$104.0 mill  
 LT Debt \$584.5 mill LT Interest \$43.8 mill  
 (LT interest earned 3.8x, total interest coverage 3.4x)

Leases, Uncapitalized Annual rentals \$6.1 mill  
 Pension Liability None in '96 vs \$4.9 mill in '95

Pfd Stock \$118.8 mill Pfd Div'd \$10.5 mill  
 \$74.3 mill 8 17% subsidiary obligated mandatorily redeemable pfd secs, \$44.5 mill 7.70% cum

Common Stock 56,456,402 shs

CURRENT POSITION	1995	1996	6/30/97
Cash Assets (\$mill)	3.7	8.7	4.3
Other	216.3	280.5	265.1
Current Assets	220.0	289.2	269.4
Accts Payable	72.3	73.7	65.7
Debt Due	51.0	152.0	33.5
Other	107.6	96.8	125.2
Current Liab	230.9	322.5	224.4
Fix Chg Cov	288%	280%	280%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '94-'96 of change (per sh)
Revenues	-5.0%	-	4.5%
"Cash Flow"	3.5%	3.0%	4.5%
Earnings	3.0%	5.5%	6.0%
Dividends	5.5%	1.5%	1.5%
Book Value	3.5%	2.5%	3.5%

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1994	361.9	500.2	191.2	146.6	1199.9
1995	328.8	448.2	177.5	108.5	1063.0
1996	328.8	478.8	241.1	171.5	1220.2
1997	379.6	496.7	216.7	194.6	1287.6
1998	400	520	230	210	1360

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1994	50	98	09	21	117
1995	57	95	03	19	133
1996	53	81	06	04	137
1997	53	88	03	07	137
1998	52	85	01	08	130

Cal-endar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1993	26	26	26	26	104
1994	26	26	26	26	104
1995	26	26	26	26	105
1996	265	265	265	27	107
1997	27	27	27	27	

**BUSINESS** AGL Resources, Inc is a holding company. Its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 1.4 million customers in Georgia and southern Tennessee. Also engaged in nonregulated natural gas and power marketing, energy management services, and wholesale and retail propane sales. Fiscal 1996 gas system throughput, 289 billion cu ft.

**AGL Resources' share earnings may have peaked in fiscal 1997 (ended September 30th).** While most other gas-utility stocks have gained support in the past year because of lower interest rates and aggressive participation in nonregulated natural gas marketing, AGL shares have lost a little ground. The problem here is that while this holding company is also joining the fray in gas marketing, it will need perhaps a year or so to prepare the non-utility subsidiary to meet the competitive incursions by other marketers and begin a program of unbundled services. Overall, since the effort in fiscal 1998 will mean additional costs that won't be fully recoverable, AGL's share earnings may settle back a little this year.

**This untimely stock continues to be a good-quality holding for income.** The gas utility, which will face much less business risk than the marketers, should continue to add modestly to last year's profits in fiscal 1998. This prospect assumes normal weather conditions in the Georgia service area and continued growth of the gas distributor's customer rolls at a 2.5%-3.0% annual rate. But with overall profits

billion cu ft. Throughput breakdown: residential, 40%, commercial, 19%, industrial, 15%, transportation and other, 26%. Cost of gas sold 59.0% of revenues. Has about 2,950 employees, 16,760 shareholders. Pres & Ch. Exec. Off. David R. Jones. Incorporated in Georgia. Address: 303 Peachtree St., N.E., Atlanta, GA 30308. Telephone: 404-584-9470. Internet add: <http://www.agl.com>

apt to dip this year and AGL developing a nonregulated business that might have unseen pitfalls, directors may have no latitude to raise the dividend. And keeping the dividend level this year will support management's efforts to lower the payout ratio to a more comfortable range of 60%-70%. The stock's recent price sets the dividend yield about 1.5 percentage points above the gas-utility average and takes into account the probable absence of a higher quarterly payment in 1998.

**The lower payout ratio may take a few years to attain.** AGL, in the meantime, might be willing to resume dividend increases in 1999 as long as they lag the company's renewed earnings upturn that we project. The utility's financial results will provide the benchmark for rising dividends. These regulated profits should benefit from Georgia's pending rate-making incentives and may grow by about twice the inflation rate. If so, AGL's dividend may advance by 1.5%-2.0% annually, which would pretty much match the dividend prospects for most other regulated gas distributors.

Gerald Holtzman December 26, 1997



AGL RESOURCES NYSE-ATG										RECENT PRICE	21	P/E RATIO	16.8 (Trailing 16.3 Median 14.0)	RELATIVE P/E RATIO	0.88	DIV'D YLD	5.1%	VALUE LINE	466
TIMELINESS	4	Raised 1/16/98	High	Low	-13 2	14 0	15 4	16 1	18 8	19 5	21 3	19 4	20 0	22 0	21 6	21 0		Target Price Range	2001 12002 12003
SAFETY	2	New 7/27/90	<div>LEGENDS</div> <div>1 25 x Dividends p sn divided by Interest Rate</div> <div>Relative Price Strength</div> <div>2 for-1 split 12/86</div> <div>2 for-1 split 12/95</div> <div>Shaded area indicates recession</div>																
TECHNICAL	4	Raised 1/23/98																	
BETA	70	(1.00 = Market)																	
2001-03 PROJECTIONS																			
Ann'l Total																			
Price Gain Return																			
High Low 30 20 (+45%) (-5%) 73% 4%																			
Insider Decisions																			
to Buy 0 0 0 0 0 1 0 0 1																			
Options 0 0 0 0 0 0 0 0 1																			
to Sell 0 0 0 0 0 0 0 0 0																			
Institutional Decisions																			
to Buy 20 37 41 52 67																			
to Sell 35 42 36																			
Hld's(000) 12725 12099 14085																			
Percent shares traded 6 0 4 0 2 0																			
1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999																			
52.11 48.27 46.00 37.42 27.58 26.24 22.97 21.63 22.58 20.26 20.43 22.73 23.59 19.32 21.91 22.75 23.75 24.85																			
1.50 1.60 1.87 1.69 1.52 1.84 1.90 1.93 2.04 2.07 2.31 2.25 2.24 2.33 2.49 2.42 2.45 2.60																			
45 78 113 91 83 1.02 1.13 95 1.01 1.04 1.13 1.08 1.17 1.33 1.37 1.37 1.25 1.40																			
45 48 54 63 70 80 88 94 98 1.02 1.03 1.04 1.04 1.06 1.08 1.08 1.08 1.08																			
2.52 2.43 2.95 3.01 3.30 3.59 2.86 2.55 2.73 2.95 2.74 2.49 2.37 2.17 2.37 2.59 2.50 2.50																			
6.45 6.37 6.92 7.12 7.59 7.89 8.72 8.83 8.97 9.42 9.70 9.90 10.19 10.12 10.56 10.99 11.30 11.70																			
18.53 23.07 26.64 31.12 36.55 37.48 42.47 43.40 44.32 47.57 48.69 49.72 50.86 55.02 55.70 56.60 57.25 58.00																			
8.3 5.7 4.7 8.3 11.8 11.5 11.1 13.7 14.2 15.3 15.5 17.9 15.1 12.6 13.8 14.7																			
91 48 44 67 80 77 92 104 105 98 94 106 99 84 86 83																			
12.0% 10.9% 10.1% 8.4% 7.1% 6.8% 7.1% 7.2% 6.8% 6.4% 5.9% 5.4% 5.9% 6.2% 5.6% 5.4%																			
CAPITAL STRUCTURE as of 12/31/97																			
Total Debt \$810.5 mill Due in 5 Yrs \$265.0 mill																			
LT Debt \$660.0 mill LT Interest \$49.0 mill																			
(total interest coverage 3.4x)																			
Leases, Uncapitalized Annual rentals \$6.1 mill																			
Pension Liability None																			
Pfd Stock \$118.8 mill Pfd Div'd \$10.5 mill																			
\$74.3 mill 8.17% subsidiary obligated mandatorily																			
redeemable pfd secs, \$44.5 mill 7.70% cum																			
Common Stock 56,456,402 shs																			
MARKET CAP \$1.1 billion (Mid Cap)																			
CURRENT POSITION 1996 1997 12/31/97																			
(\$MILL)																			
Cash Assets 8.7 4.8 7.9																			
Other 280.5 287.9 400.8																			
Current Assets 289.2 292.7 408.7																			
Accts Payable 73.7 65.1 96.6																			
Debt Due 152.0 29.5 150.5																			
Other 96.8 148.8 110.5																			
Current Liab 322.5 243.4 357.6																			
Fix Chg Cov 330% 311% 293%																			
ANNUAL RATES Past 10 Yrs Past 5 Yrs Est'd '95-'97																			
of change (per sh)																			
Revenues -3.5% 5.0%																			
"Cash Flow" 3.5% 5.0%																			
Earnings 4.0% 5.0%																			
Dividends 4.0% 1.0%																			
Book Value 3.5% 2.5%																			
FISCAL YEAR ENDS QUARTERLY REVENUES (\$ MILL) A																			
Dec 31 Mar 31 Jun 30 Sep 30																			
1995 328.8 448.2 177.5 108.5 1063.0																			
1996 328.8 478.8 241.1 171.5 1220.2																			
1997 379.6 496.7 216.7 194.6 1287.6																			
1998 402.3 520 230 207.7 1360																			
1999 425 550 245 220 1440																			
FISCAL YEAR ENDS EARNINGS PER SHARE A B F																			
Dec 31 Mar 31 Jun 30 Sep 30																			
1995 57 95 03 d 19 1.33																			
1996 53 91 06 d 04 1.37																			
1997 53 88 03 d 07 1.37																			
1998 45 85 02 d 07 1.25																			
1999 55 88 04 d 07 1.40																			
Cal-endar QUARTERLY DIVIDENDS PAID C																			
Mar 31 Jun 30 Sep 30 Dec 31																			
1993 26 26 26 26 1.04																			
1994 26 26 26 26 1.04																			
1995 26 26 26 26 1.05																			
1996 265 265 265 27 1.07																			
1997 27 27 27 27																			

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Exhibit CAPD-SB

Direct Testimony

Appendix -Value Line History

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1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999																		
Revenues per sh A 28.50																		
"Cash Flow" per sh 3.20																		
Earnings per sh B 1.70																		
Div'ds Decl'd per sh C 1.15																		
Cap'l Spending per sh 2.50																		
Book Value per sh D 13.75																		
Common Shs Outst'g E 59.50																		
Avg Ann'l P/E Ratio 14.5																		
Relative P/E Ratio 1.05																		
Avg Ann'l Div'd Yield 4.7%																		
Revenues (\$mill) A 1700																		
Net Profit (\$mill) 100																		
Income Tax Rate 37.0%																		
Net Profit Margin 5.9%																		
Long-Term Debt Ratio 48.0%																		
Common Equity Ratio 48.0%																		
Total Capital (\$mill) 1670																		
Net Plant (\$mill) 1800																		
Return on Total Cap 7.5%																		
Return on Shr Equity 12.0%																		
Return on Com Equity 12.0%																		
Retained to Com Eq 4.0%																		
All Div'ds to Net Prof 68%																		

BUSINESS

AGL Resources, Inc is a holding company its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 14 million customers in Georgia and southern Tennessee. Also engaged in nonregulated natural gas and power marketing, energy management services, and wholesale and retail propane sales. Fiscal 1997 gas system throughput, 280 billion cu ft. Throughput breakdown: residential, 36%, commercial, 16%, industrial, 12%, transportation and other, 36%. Has about 2,985 employees, 16,760 shareholders. Chairman: David R. Jones. Pres & Ch. Exec. Off.: Walter M. Higgins. Incorporated in Georgia. Address: 303 Peachtree St., N.E., Atlanta, GA 30308. Telephone: 404-584-9470. Internet addr: <http://www.agl.com>

AGL Resources seeks to adapt itself to a competitive market.

The utility subsidiary, Atlanta Gas Light (AGL), is preparing for a time (which might only be a few years away) when nonregulated marketers will pretty much dominate the business of arranging to obtain natural gas supplies for all comers. Right now that job is still largely the utility's. But the marketers are gradually gaining ground in Georgia, and AGL sees itself in the future as only a transporter of gas supplies, not a merchant. Since the utility may profit only on its capital investment in plant, it is asking the state to approve a new incentive rate design that gives the gas system a better earning potential in the changing market structure. The proposed tariffs would be based on a return on common equity of, say, 11.5%-12.0%, with AGL permitted to exceed the state-ordered benchmark by operating the gas system with increasing efficiency. The excess profits would be shared, perhaps 50-50, with ratepayers as billing credits, which would effectively give AGL a competitive edge over the local electric company. The proposed tariffs would also allow

a more reliable coverage of fixed capital costs.

AGL hopes to set a higher minimum monthly charge for its transport service. Such an increase would help the utility compensate for a diminished gas flow during long spells of mild winter weather and would improve the its cash stream during the summer off-season.

The dividend seems secure, but it won't likely be raised for a while. Earnings of AGL Resources for fiscal 1998 (ends September 30th) may recede a little because of management's efforts to ready the company for the competitive playing field. Subsidiaries are engaged in the marketing of fuel and allied services. In all, they are turning a small profit, though most of it, at this juncture, seems to be coming from the sale of propane. As for the principal utility business, AGL sees a dip in system earnings this year due to lower gas consumption per customer, reflecting end-user conservation. The pending rate design should help to compensate for this problem. In the meantime, there will be a cap on the dividend, which is factored into this untimely stock's generous yield.

Gerald Holtzman

March 27, 1998

(A) Fiscal year ends September 30th  
(B) Diluted earnings per share. Next ex-  
report due early May. Excl. nonrecurring items  
'84, \$0.37, '88, \$0.15, '95, \$0.83

(C) Next dividend meeting about early May  
Goes ex mid-May. Approx. div'd payment  
dates: March 1, June 1, Sept 1, Dec 1  
■ Dividend reinvestment plan available

(D) Incl. def'd chgs '97 72.4 mill, \$1.28/sh  
(E) In millions, adjusted for stock splits  
(F) Quarters may not add to total due to  
change in shares outstanding

Company's Financial Strength B+  
Stock's Price Stability 95  
Price Growth Persistence 25  
Earnings Predictability 90

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AGL RESOURCES NYSE-ATG										RECENT PRICE	20	P/E RATIO	15.9	(Trailing 16.7 Median 14.0)	RELATIVE P/E RATIO	0.90	DIV'D YLD	5.4%	VALUE LINE	467		
TIMELINESS	4	Raised 1/16/99	High	Low	13.2	14.0	15.4	16.1	18.8	19.5	21.3	19.4	20.0	22.0	21.6	22.1			Target Price Range	2001	2002	2003
SAFETY	2	New 7/27/90	LEGENDS																			
TECHNICAL	3	Raised 6/5/98	1 25 x Dividends p sh divided by Interest Rate Relative Price Strength																			
BETA	70	(1.00 = Market)	2 for 1 split 12/86 2 for 1 split 12/95 Shaded area indicates recession																			
2001-03 PROJECTIONS																						
Price	30	Gain	Ann'l Total																			
Low	20	(+50%)	Return																			
High	20	(Nil)	15%																			
Low	20	(Nil)	5%																			
Insider Decisions																						
A	S	O	N	D	J	F	M	A														
to Buy	0	1	0	0	1	1	2	0														
Options	0	0	0	0	1	0	1	0														
to Sell	0	0	0	0	0	0	0	0														
Institutional Decisions																						
to Buy	41	52	67																			
to Sell	35	42	36																			
Hld's(000)	12725	12099	14085																			
Percent	6.0	4.0	2.0																			
shares	6.0	4.0	2.0																			
traded	6.0	4.0	2.0																			
1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999																						
52.11	48.27	46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	22.95	24.40	Revenues per sh ^			28.35	
1.50	1.60	1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.45	2.50	"Cash Flow" per sh			3.20	
45	78	113	91	83	102	113	95	101	104	113	108	117	133	137	137	120	130	Earnings per sh ^			1.65	
45	48	54	63	70	80	88	94	98	102	103	104	104	104	106	108	108	108	Div'ds Decl'd per sh ^			1.15	
2.52	2.43	2.95	3.01	3.30	3.59	2.96	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.00	2.00	Cap'l Spending per sh			2.10	
6.45	6.37	6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.25	11.55	Book Value per sh ^			13.65	
18.53	23.07	26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.80	57.25	58.00	Common Shs Outst'g ^			60.00	
8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	Avg Ann'l P/E Ratio			15.0			
91	48	44	67	80	77	92	104	105	98	94	106	99	84	86	83	Relative P/E Ratio			1.05			
12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	Avg Ann'l Div'd Yield			4.7%			
CAPITAL STRUCTURE as of 3/31/98																						
Total Debt \$664.4 mill Due in 5 Yrs \$120.0 mill																						
LT Debt \$660.0 mill LT Interest \$49.0 mill																						
(Total interest coverage 3.2x)																						
Leases, Uncapitalized Annual rentals \$6.1 mill																						
Pension Liability None																						
Pfd Stock \$74.3 mill Pfd Div'd \$5.0 mill																						
\$74.3 mill 8.17% subsidiary obligated mandatorily																						
redeemable pfd secs																						
Common Stock 57,000,000 shs																						
MARKET CAP \$1.1 billion (Mid Cap)																						
CURRENT POSITION 1996 1997 3/31/98																						
(MILL)																						
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Other	280.5	287.9	279.3																			
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Accts Payable	73.7	65.1	77.2																			
Debt Due	152.0	29.5	4.4																			
Other	96.8	148.8	135.9																			
Current Liab	322.5	243.4	217.5																			
Fix Chg Cov	330%	311%	280%																			
ANNUAL RATES Past Past Est'd '95-'97																						
of change (per sh)	10 Yrs	5 Yrs	to '01-'03																			
Revenues	-3.5%	-	5.0%																			
"Cash Flow"	3.5%	2.5%	5.0%																			
Earnings	4.0%	5.0%	3.5%																			
Dividends	4.0%	1.0%	1.5%																			
Book Value	3.5%	2.5%	4.5%																			
Fiscal Year Ends																						
QUARTERLY REVENUES (\$ mill) ^																						
Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year																		
1995	328.8	448.2	177.5	108.5	1063.0																	
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1998	402.3	483.9	220.7	208.8	1315																	
1999	425	540	230	220	1415																	
Fiscal Year Ends																						
EARNINGS PER SHARE ^ B F																						
Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year																		
1995	57	95	03	019	133																	
1996	53	81	06	004	137																	
1997	53	88	03	007	137																	
1998	45	79	02	006	120																	
1999	51	80	04	005	130																	
Cal-endar																						
QUARTERLY DIVIDENDS PAID ^																						
Mar 31	Jun 30	Sep 30	Dec 31	Full Year																		
1994	26	26	26	26	104																	
1995	26	26	26	265	105																	
1996	265	265	265	27	107																	
1997	27	27	27	27	108																	
1998	27	27	27	27	108																	

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BUSINESS AGL Resources, Inc is a holding company Its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 14 million customers in Georgia and southern Tennessee Also engaged in nonregulated natural gas and power marketing, energy management services, and wholesale and retail propane sales Fiscal 1997 gas system throughput, 280 billion cu ft																					
AGL Resources may operate at a reduced earnings level for a while. The slack in profits in fiscal 1998 (year ends September 30th) isn't due to an unusually warm winter That's because the utility invoked its weather normalization provision to make up for revenue deficiencies resulting from temperature deviations from seasonal norms Rather, AGL blames the setback on declining sales per meter due to conservation factors, such as more efficient gas furnaces and better insulated homes Management will begin to work on the problem in fiscal 1999																					
A new rate design may lift profits. The competitive marketplace now evolving has required AGL to recast its operating structure It has formed a new subsidiary, Atlanta Gas Light Services (AGLS), which will join the fray against several marketing heavyweights in customer-choice programs as a nonregulated gas supplier Operating with a familiar name on its home turf should let AGLS win its fair share of business AGL's regional gas utility will remain fully regulated But it will abandon its customary merchant role to become solely a gas transporter, since the																					
marketers will do the buying and reselling of gas System revenues will be derived entirely from the associated carrier charges (as it always has) and profits will continue to be based on the regulated return on plant investment To realize the allowed return, which might be set at about 11.5% on common equity, AGL seeks a big boost in the fixed-minimum monthly charge to customers A higher minimum would improve cash flow, especially in the summer AGL also proposes that new customers remotely situated from the system's main pipeline route pay for the line extension through added tariffs The new rate structure may be approved soon and should gradually play out in AGL's favor But don't expect a dividend increase in fiscal 1999. Dividend reinvestments in newly issued stock effectively reduce the payout ratio and thus supplement cash flow But AGL is unlikely to up the quarterly declaration until the indicated payout ratio recedes to 80% or less via rising profits The prospect of a flat cash dividend into next year is reflected in this untimely stock's very generous yield																					
Gerald Holtzman June 26, 1998																					

# AGL RESOURCES

NYSE-ATG

RECENT  
PRICE

19

P/E  
RATIO

15.6 (Trailing 16.5  
Median 14.0)

RELATIVE  
P/E RATIO

1.03

DIV'D  
YLD

5.7%

VALUE  
LINE

466

TIMELINESS 4 Raised 1/16/98

SAFETY 2 New 7/27/90

TECHNICAL 3 Raised 6/5/98

BETA 70 (1.00 = Market)

2001-03 PROJECTIONS

High Price 30 Gain (+60%) 16% Ann'l Total Return 7%

Low Price 20 Gain (+5%) 7%

Insider Decisions

N D J F M A M J J

to Buy 0 1 0 2 0 0 0 0 1

Options 0 1 0 1 0 0 1 0 0

to Sell 0 0 0 0 0 0 1 0 0

Institutional Decisions

4Q1997 1Q1998 2Q1998

to Buy 67 46 51

to Sell 36 52 49

Hld'g(000) 14085 14956 16571

Percent shares traded 6.0 4.0 2.0

1982 1983 1984 1985

52.11 48.27 46.00 37.42

1.50 1.60 1.87 1.69

45 78 113 91

45 48 54 63

2.52 2.43 2.95 3.01

6.45 6.37 6.92 7.12

18.53 23.07 26.64 31.12

8.3 5.7 4.7 8.3

91 48 44 67

12.0% 10.9% 10.1% 8.4%

7.1% 6.8%

7.1% 7.2% 6.8% 6.4%

5.9% 5.4% 5.9%

6.2% 5.6% 5.4%

12.0% 10.9% 10.1% 8.4%

7.1% 6.8%

7.1% 7.2% 6.8% 6.4%

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12.0% 10.9% 10.1% 8.4%

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High Price 13.2 14.0 15.4 16.1 18.8 19.5 21.3 19.4 20.0 22.0 21.6 22.1

Low Price 9.7 10.8 11.9 13.3 14.9 15.1 17.0 14.5 14.9 17.1 17.8 17.7

125 x Dividends p sh

divided by Interest Rate

Relative Price Strength

2-for-1 split 12/86

2-for-1 split 12/95

Options No

Shaded area indicates recession

1982 1983 1984 1985

52.11 48.27 46.00 37.42

1.50 1.60 1.87 1.69

45 78 113 91

45 48 54 63

2.52 2.43 2.95 3.01

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2-for-1 split 12/86

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divided by Interest Rate

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45 78 113 91

45 48 54 63

2.52 2.43 2.95 3.01

6.45 6.37 6.92 7.12

18.53 23.07 26.64 31.12

8.3



<b>TIMELINESS</b> 3 Raised 10/30/98	High 13.2 14.0 15.4 16.1 18.8 19.5 21.3 19.4 21.1	<b>LEGENDS</b> 125 x Dividends p n divided by Interest Rate Relative Price Strength 2-for-1 split 12/86 2-for-1 split 12/95 Options No Shaded area indicates recession
<b>SAFETY</b> 2 New 7/27/90	Low 9.7 10.8 11.9 13.3 14.9 15.1 17.0 14.6 1	
<b>TECHNICAL</b> 3 Raised 6/5/98		

**BETA** 65 (1.00 = Market)

**2001-03 PROJECTIONS**

	Price	Gain	Ann'l Total Return
High	30	(+35%)	12%
Low	20	(-10%)	3%

**Insider Decisions**

	F	M	A	M	J	J	A	S	O
to Buy	2	0	0	0	0	1	0	0	0
Options	1	0	0	1	0	0	0	0	0
to Sell	0	0	0	1	0	0	0	0	0

**Institutional Decisions**

	1Q1998	2Q1998	3Q1998	Percent shares traded
to Buy	46	51	50	6.0
to Sell	52	49	40	4.0
Mid's (000)	14956	16571	17280	2.0

**% TOT RETURN 11/98**

	THIS STOCK	VL ARTH. INDEX
1 yr	16.0	3.3
3 yr	33.1	58.2
5 yr	58.5	102.4

Docket No 04-00034  
Exhibit CAPD-SB  
Direct Testimony  
Appendix -Value Line History  
page 20 of 40

1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	VALUE LINE PUB, INC	01-03
52.11	48.27	46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.65	24.15	Revenues per sh <sup>A</sup>	30.00
1.50	1.60	1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.80	"Cash Flow" per sh	3.00
45	78	1.13	91	83	102	113	95	101	104	113	108	117	133	137	137	141	145	Earnings per sh <sup>B</sup>	1.65
45	48	54	63	70	80	88	94	98	102	103	104	104	104	106	108	108	108	Div'ds Decl'd per sh <sup>C</sup>	1.15
2.52	2.43	2.95	3.01	3.30	3.59	2.86	2.85	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.25	2.75	Cap'l Spending per sh	2.10
6.45	6.37	6.92	7.12	7.59	7.89	8.72	8.33	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.20	11.80	Book Value per sh <sup>D</sup>	13.65
18.53	23.07	26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.25	58.00	Common Shs Outst'g <sup>E</sup>	60.00
8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9		Avg Ann'l P/E Ratio	15.0
91	48	44	67	80	77	92	104	105	98	94	106	99	84	86	83	73		Relative P/E Ratio	1.05
12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	-	Avg Ann'l Div'd Yield	4.7%

1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	VALUE LINE PUB, INC	01-03
52.11	48.27	46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.65	24.15	Revenues per sh <sup>A</sup>	30.00
1.50	1.60	1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.80	"Cash Flow" per sh	3.00
45	78	1.13	91	83	102	113	95	101	104	113	108	117	133	137	137	141	145	Earnings per sh <sup>B</sup>	1.65
45	48	54	63	70	80	88	94	98	102	103	104	104	104	106	108	108	108	Div'ds Decl'd per sh <sup>C</sup>	1.15
2.52	2.43	2.95	3.01	3.30	3.59	2.86	2.85	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.25	2.75	Cap'l Spending per sh	2.10
6.45	6.37	6.92	7.12	7.59	7.89	8.72	8.33	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.20	11.80	Book Value per sh <sup>D</sup>	13.65
18.53	23.07	26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.25	58.00	Common Shs Outst'g <sup>E</sup>	60.00
8.3	5.7	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9		Avg Ann'l P/E Ratio	15.0
91	48	44	67	80	77	92	104	105	98	94	106	99	84	86	83	73		Relative P/E Ratio	1.05
12.0%	10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	-	Avg Ann'l Div'd Yield	4.7%

CAPITAL STRUCTURE as of 9/30/98		1995	1996	1997	9/30/98
Total Debt	736.5 mill	Due in 5 Yrs	\$190.0 mill		
LT Debt	\$660.0 mill	LT Interest	\$49.0 mill		
(total interest coverage 3.0x)					
Leases, Uncapitalized Annual rentals	\$6.1 mill				
Pension Liability	None				
Pfd Stock	\$74.3 mill	Pfd Div'd	\$5.0 mill		
\$74.3 mill 8.17% subsidiary obligated mandatorily redeemable pfd secs (Div'ds are a tax-deductible fixed charge)					
Common Stock	57,300,000 shs				
MARKET CAP	\$1.3 billion (Mid Cap)				
CURRENT POSITION	1996	1997	9/30/98		
Cash Assets	8.7	4.8	3.6		
Other	280.5	287.9	294.0		
Current Assets	289.2	292.7	297.6		
Accts Payable	73.7	65.1	51.1		
Debt Due	152.0	29.5	75.5		
Other	96.8	148.8	126.1		
Current Liab	322.5	243.4	252.7		
Fix Chg Cov	330%	311%	295%		

**BUSINESS** AGL Resources, Inc. is a holding company. Its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 1.4 million customers in Georgia and southern Tennessee. Also engaged in nonregulated natural gas and power marketing, energy management services, and wholesale and retail propane sales. Fiscal 1997 gas system throughput, 280 billion cu ft. Throughput breakdown: residential, 36%; commercial, 16%; industrial, 12%; transportation and other, 36%. Has about 3,010 employees, 16,760 shareholders. Chairman David R. Jones. Pres & Ch. Exec. Off. Walter M. Higgins. Incorporated in Georgia. Address: 303 Peachtree St., N.E., Atlanta, GA 30308. Telephone: 404-584-9470. Internet address: www.aglr.com

AGL Resources is adapting to Georgia's unbundled gas-service structure.		The state, in 1997, deregulated the prices of natural gas and electricity. Decontrol has required AGL to set up a separate marketing subsidiary to sell gas as a commodity in competition with other marketers willing to court business in Georgia. Under the new rules, the state aims to eventually eliminate the AGL utility system as a seller of gas, leaving it only to do business as a gas transporter (common carrier) for the region's residential and industrial consumers. Barring a major diversification move by acquisition, hauling gas for others is apt to remain AGL's biggest business, in terms of total capital investment, and its main source of profits. And in keeping with tradition, the utility will be the sole gas-system operator in the service area, the tradeoff being regulation of transportation prices and profits. State oversight will minimize the business risks for this capital intensive gas distributor. In this way, the stock will continue to appeal to investors seeking income.		A new rate structure seems to be rebuilding system profits. Management blames customer conservation efforts for declining gas sales per meter. To overcome this problem and to stay compatible with the state's unbundled services program, the utility has been operating since last July with a so-called straight fixed-variable rate. The new tariff more than doubles the residential fixed monthly charge to \$19. This increase, in the basic service charge, better serves AGL's chances of clearing its capital costs (interest and preferred dividends) to provide a satisfactory profit for common shareholders. The new rate design (which alters AGL's quarterly earnings pattern) should work in the system's favor, during long warm spells in winter and especially during the summer months.		By the same token, the dividend should get better coverage. Competition may keep marketing profits very thin. But AGL's cash flow is apt to be more predictable under the utility's new tariff, thus moving directors to up the dividend, perhaps within the next four quarters or so. The stock's current yield seems to take that prospect into account.		Gerald Holtzman		December 25, 1998	
Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year	Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1995	328.8	448.2	177.5	108.5	1063.0	1995	57	95	03	d 19	1.33
1996	328.8	478.8	241.1	171.5	1220.2	1996	53	81	06	d 04	1.37
1997	379.6	496.7	216.7	194.6	1287.6	1997	53	88	03	d 07	1.37
1998	402.3	483.9	247.0	205.4	1338.6	1998	45	79	d 02	19	1.41
1999	440	460	265	235	1400	1999	37	40	38	30	1.45
Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year	Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1995	57	95	03	d 19	1.33	1995	26	26	26	26	1.04
1996	53	81	06	d 04	1.37	1996	26	26	26	26	1.05
1997	53	88	03	d 07	1.37	1996	265	265	265	27	1.07
1998	45	79	d 02	19	1.41	1997	27	27	27	27	1.08
1999	37	40	38	30	1.45	1998	27	27	27	27	1.08
Calendar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year	Calendar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1994	26	26	26	26	1.04	1994	26	26	26	26	1.05
1995	26	26	26	26	1.05	1996	265	265	265	27	1.07
1996	265	265	265	27	1.07	1997	27	27	27	27	1.08
1997	27	27	27	27	1.08	1998	27	27	27	27	1.08
1998	27	27	27	27	1.08						

(A) Fiscal year ends September 30th  
(B) Diluted earnings per share. Next earnings report due early Feb. '99. Excl nonrecurring items '84, \$0.37, '88, \$0.35, '95, d\$0.83  
(C) Next dividend meeting early Feb. Goes ex mid-Feb. Approx div'd payment dates March 1, June 1, Sept 1, Dec 1  
(D) Incl def'd chgs '97 72.4 mill, \$1.28/sh  
(E) In millions, adjusted for stock splits  
(F) Quarters may not add to total due to change in shares outstanding  
Company's Financial Strength B++  
Stock's Price Stability 100  
Price Growth Persistence 15  
Earnings Predictability 85  
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AGL RESOURCES NYSE-ATG										RECENT PRICE	18	P/E RATIO	15.1 (Trailing 17 8 Median 14 0)	RELATIVE P/E RATIO	0.96	DIV'D YLD	6.0%	VALUE LINE	466
TIMELINESS	4	Lowered 3/12/99	High	14 0	15 4	16 1	18 8	19 5	21 3	19 4	20 0	22 0	21 6	23 4	23 4			Target Price Range	2002 12004
SAFETY	2	New 7/27/90	Low	10 8	11 9	13 3	14 9	15 1	17 0	14 6	14 9	17 1	17 8	17 7	16 8				
TECHNICAL	4	Raised 9/17/99	LEGENDS										Docket No 04-00034						
BETA	65	(1.00 = Market)	1.5 x Dividends p sh divided by Interest Rate										Exhibit CAPD-SB						
2002-04 PROJECTIONS			2-for-1 split 12/86										Direct Testimony						
			2-for-1 split 12/95										Appendix -Value Line History						
			Options No										page 23 of 40						
			Shaded area indicates recession																

# AGL RESOURCES

NYSE-ATG

RECENT PRICE

18

P/E RATIO 19.1

(Trading Median 14.0)

RELATIVE P/E RATIO 1.33

DIV'D YLD 6.0%

VALUE LINE

464

**TIMELINESS** 4 Lowered 3/12/99  
**SAFETY** 2 New 7/27/90  
**TECHNICAL** 4 Raised 9/17/99  
**BETA** 55 (1.00 = Market)

**2002-04 PROJECTIONS**

Price Gain Ann'l Total  
High 25 (+40%) 13%  
Low 20 (+10%) 8%

**Insider Decisions**

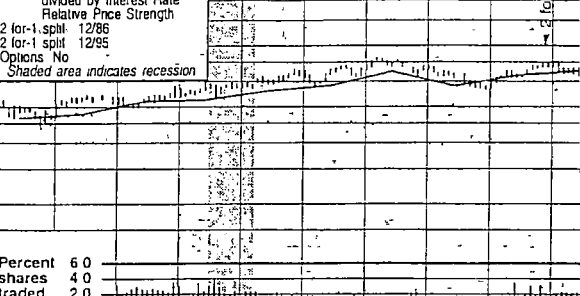
J F M A M J J A S  
to Buy 0 0 1 0 1 0 0 0 2  
Options 1 1 0 0 0 0 0 0 0  
to Sell 0 0 0 0 0 0 0 0 0

**Institutional Decisions**

1Q1999 2Q1999 3Q1999  
to Buy 70 62 53  
to Sell 50 63 62  
Hld's(000) 19356 19789 21203

High 14.0 15.4 16.1 18.8 19.5 21.3 19.4 20.0 22.0 21.6 23.4 23.4  
Low 10.8 11.9 13.3 14.9 15.1 17.0 14.6 14.9 17.1 17.8 17.7 15.6

**LEGENDS**  
115 x Dividends p sh  
divided by Interest Rate  
Relative Price Strength  
2 for 1 split 12/86  
2 for 1 split 12/95  
Options No  
Shaded area indicates recession



Docket No 04-00034

Exhibit CAPD-SB

Direct Testimony

Appendix -Value Line History

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1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	% VALUE LINE PUB. INC	02-04
48.27	46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	18.80	Revenues per sh A	22.00
1.60	1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.53	2.29	2.65	"Cash Flow" per sh	3.50
78	1.13	91	83	1.02	1.13	95	1.01	1.04	1.13	1.08	1.17	1.33	1.37	1.37	1.41	91	1.10	Earnings per sh B	1.70
48	54	63	70	80	88	94	98	1.02	1.03	1.04	1.04	1.04	1.06	1.08	1.08	1.08	1.08	Div'ds Decl'd per sh C	1.15
2.43	2.95	3.01	3.30	3.59	2.86	2.85	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.05	2.50	2.50	Cap'l Spending per sh	2.50
6.37	6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	11.75	Book Value per sh D	13.75
23.07	26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	57.10	57.50	Common Shs Outst'g E	59.00
.57	4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4		Avg Ann'l P/E Ratio	13.5
48	44	67	80	77	92	1.04	1.05	98	94	1.06	99	84	86	85	73	1.18		Relative P/E Ratio	90
10.9%	10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.6%		Avg Ann'l Div'd Yield	5.0%
<b>CAPITAL STRUCTURE as of 9/30/99</b>				938.7	1000.9	963.9	994.6	1130.3	1199.9	1063.0	1220.2	1287.6	1338.6	1068.6	1080.0	1080.0	1080.0	Revenues (\$mil) A	1300
Total Debt \$661.5 mil Due in 5 Yrs 112.0 mil				42.1	45.6	49.4	55.4	57.5	63.2	74.3	75.6	76.6	80.5	52.1	65.0	65.0	65.0	Net Profit (\$mil)	100
LT Debt \$610.0 mil LT Interest \$45.0 mil				27.6%	31.7%	34.6%	31.6%	32.9%	35.2%	36.9%	38.6%	37.9%	32.5%	33.1%	33.0%	33.0%	33.0%	Income Tax Rate	34.0%
(total interest coverage 2.3x)				4.5%	4.6%	5.1%	5.6%	5.1%	5.3%	7.0%	6.2%	5.9%	6.0%	4.9%	6.0%	6.0%	6.0%	Net Profit Margin	7.7%
Leases, Uncapitalized Annual rentals \$6.1 mil				47.9%	50.2%	49.6%	40.2%	40.5%	49.0%	47.4%	46.2%	48.7%	47.5%	49.2%	47.5%	47.5%	47.5%	Long-Term Debt Ratio	47.5%
Pension Liability None				49.8%	47.8%	48.5%	58.1%	53.1%	45.8%	47.6%	48.9%	45.9%	47.1%	45.3%	47.5%	47.5%	47.5%	Common Equity Ratio	48.0%
Pfd Stock \$74.3 mil Pfd Div'd \$6.1 mil				770.0	831.9	918.3	812.7	925.7	1131.5	1170.3	1201.3	1356.4	1388.4	1346.3	1425.0	1425.0	1425.0	Total Capital (\$mil)	1700
\$74.3 mil 8.17% subsidiary obligated mandatorily				979.1	1049.6	1141.6	1217.9	1281.3	1297.4	1350.3	1415.4	1496.6	1534.0	1604.3	1660.0	1660.0	1660.0	Net Plant (\$mil)	1850
redeemable pfd secs (Div'ds are a tax-deductible				7.8%	7.6%	7.6%	9.4%	8.6%	7.5%	8.2%	8.0%	7.3%	7.6%	5.5%	7.0%	7.0%	7.0%	Return on Total Cap'l	8.0%
fixed charge)				10.5%	11.0%	10.7%	11.4%	10.4%	11.0%	12.1%	11.7%	11.0%	11.1%	7.9%	9.5%	9.5%	9.5%	Return on Shr. Equity	12.5%
Common Stock 57,100,000 shs				10.5%	11.2%	10.8%	11.5%	10.8%	11.3%	12.5%	12.1%	11.3%	11.3%	7.9%	9.5%	9.5%	9.5%	Return on Com Equity	12.5%
MARKET CAP \$1.0 billion (Mid Cap)				2%	2%	2%	1.0%	4%	3.0%	4.6%	3.8%	3.2%	3.4%	NMF	NMF	NMF	NMF	Retained to Com Eq	4.0%
				98%	98%	99%	91%	96%	75%	56%	71%	74%	72%	101%	98%	98%	98%	All Div'ds to Net Prof	68%

**CURRENT POSITION** 1997 1998 9/30/99 (\$MILL)

Cash Assets 4.8 3.6 32.9  
Other 287.9 294.0 152.3  
Current Assets 292.7 297.6 185.2  
Accts Payable 65.1 51.1 32.0  
Debt Due 29.5 76.5 51.5  
Other 148.8 125.1 129.8  
Current Liab 243.4 252.7 213.3  
Fix Chg Cov 31.1% 29.5% 232%

**ANNUAL RATES** Past Past Est'd '96-'98  
of change (per sh) 10 Yrs 5 Yrs to '02-'04  
Revenues -1.0% 1.5% -5%  
"Cash Flow" 3.5% 2.5% 6.0%  
Earnings 3.5% 5.0% 3.5%  
Dividends 3.0% 1.0% 2.0%  
Book Value 3.0% 2.5% 4.0%

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1996	328.8	478.8	241.1	171.5	1220.2
1997	379.6	496.7	216.7	194.6	1287.6
1998	402.3	483.9	247.0	205.4	1338.6
1999	323.9	375.1	185.9	183.7	1068.6
2000	320	380	190	190	1080

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1996	53	81	06	d 03	1.37
1997	53	88	03	d 07	1.37
1998	45	79	d 02	19	1.41
1999	28	42	12	.09	91
2000	25	30	30	25	1.10

Cal-endar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1995	26	26	26	265	1.05
1996	265	265	265	27	1.07
1997	27	27	27	27	1.08
1998	27	27	27	27	1.08
1999	27	27	27	27	

**BUSINESS** AGL Resources, Inc. is a holding company. Its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 14 million customers in Georgia and southern Tennessee. Also engaged in nonregulated natural gas and power marketing, energy management services, and wholesale and retail propane sales. Fiscal 1998 - gas system throughput, 330

**AGL Resources leads the gas distribution industry in facilitating deregulation.** Aiming to hold down energy costs, Georgia has fostered development of a competitive gas market. Obeying the will of the legislature, the state utility commission has ordered all gas companies in its charge to segregate their traditional services. That includes gas purchasing and resale, and the delivery of the fuel. In effect, the Atlanta Gas Light system has ended its merchant role as a reseller, turning that function over to a new AGL Resources subsidiary, Georgia Natural Gas Services (NGGS). The gas system, as a discrete business unit, acts only to flow this fuel to the customers' burner tips under full state regulation. NGGS is a nonregulated operation that has to go toe to toe with other gas marketers to attract customers by offering the best prices. The state has required all gas users to select a seller in short order. As it stands now, NGGS is the dominant marketer, having captured a third of the regional market. But AGL's shift to the new business structure occurred too quickly. The full migration of system customers to

marketers within a year's time has been costly for the utility, in terms of lost revenues and higher expenses. Service costs and account delinquencies rose sharply in fiscal 1999 (ended September 30th), without compensating tariff adjustments. In fiscal 2000, the utility will defer the bump-up in operating expenses by amortizing them to the extent that lets the system earn no more than its allowed return on equity of 11.6%, the system, notably, was able to exceed this benchmark in previous years. In marketing, AGL has sold off its money-losing wholesale ventures and is hopeful of soon eliminating startup expenses in the retail end of the business, and begin to cross into the black.

**The dividend's thin earnings coverage suggests a flat payout for a while.** The utility, a regulated monopoly, is still AGL's chief moneymaker. On this basis, the dividend seems secure and should continue to support this untimely stock with a liberal yield. But income investors should note that AGL is looking for merger partner. Rumors and news to that effect might spark skittish action in the shares. Gerald Holtzman December 24, 1999

(A) Fiscal year ends September 30th  
(B) Diluted earnings per share. Next earnings report due early Feb. Excl. nonrecurring items: '84, \$0.37, '88, \$0.15, '95, \$0.83, '99, \$0.39  
(C) Next dividend meeting early Feb. Goes ex mid-Feb. Approx. div'd payment dates: March 1, June 1, Sept 1, Dec 1. Div'd reinvest plan available  
(D) Incl. deferred costs. In '98 \$2.34/sh  
(E) In millions, adjusted for stock splits  
(F) Quarters may not add to total due to change in shares outstanding  
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**Company's Financial Strength** B+  
**Stock's Price Stability** 95  
**Price Growth Persistence** 5  
**Earnings Predictability** 70  
**To subscribe call 1-800-833-0046.**



# AGL RESOURCES

NYSE-ATG

RECENT PRICE 18

P/E RATIO 15.7 (Trailing 19.4 Median 15.0)

RELATIVE P/E RATIO 1.20

DIV YLD 6.0%

VALUE LINE 462

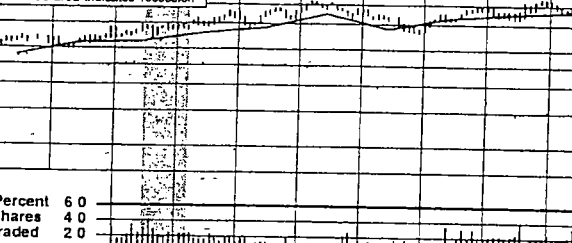
**TIMELINESS** 3 Raised 2/4/00  
**SAFETY** 2 New 7/27/99  
**TECHNICAL** 3 Raised 12/31/99  
**BETA** 65 (1.00 = Market)

**2003-05 PROJECTIONS**  
Price 25 Gain (+40%) Ann'l Total Return 13%  
High 20 Low 20 (+10%) 8%

**Insider Decisions**  
to Buy 0 1 0 0 0 0 2 0 0 0  
Options 0 0 0 0 0 0 0 1 0 0  
to Sell 0 0 0 0 0 0 0 0 0 0

**Institutional Decisions**  
to Buy 201999 301999 401999  
to Sell 62 53 62  
Hld's (000) 19789 21203 22850

**LEGENDS**  
1 15 x Dividends p sh divided by Interest Rate  
2 for 1 split 12/95  
Options No  
Shaded area indicates recession



Docket No 04-00034  
Exhibit CAPD-SB  
Direct Testimony  
Appendix - Value Line History  
page 25 of 40

1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	13.75	14.75
1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.65	2.80
1.13	91	83	1.02	1.13	95	1.01	1.04	1.13	1.08	1.17	1.33	1.37	1.37	1.41	91	1.15	1.25
54	63	70	80	88	94	98	1.02	1.03	1.04	1.04	1.04	1.06	1.08	1.08	1.08	1.08	1.08
2.95	3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.05	2.51	2.50	2.50
6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	12.00	12.00
26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	57.10	56.70	56.70
4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4	56.70	56.70
44	67	80	77	92	104	105	98	94	106	99	84	86	85	72	122	122	122
10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%	5.5%	5.5%

**CAPITAL STRUCTURE** as of 12/31/99  
Total Debt \$79.0 mill Due in 5 Yrs 212.0 mill  
LT Debt \$610.0 mill LT Interest \$45.0 mill  
(total interest coverage 2.6x)

Leases, Uncapitalized Annual rentals \$8.5 mill  
Pension Liability None

Pfd Stock \$74.3 mill Pfd Div'd \$6.1 mill  
\$74.3 mill 8.17% subsidiary obligated mandatorily  
redeemable pfd. secs (Div'ds are a tax-  
deductible fixed charge)

Common Stock 56,952,069 shs  
MARKET CAP \$1.0 billion (Mid Cap)

CURRENT POSITION	1998	1999	12/31/99
Cash Assets	3.6	32.9	4.2
Other	294.0	124.6	91.4
Current Assets	297.6	157.5	95.6
Accts Payable	51.1	31.3	34.6
Debt Due	76.5	51.5	69.0
Other	125.1	140.1	73.7
Current Liab	252.7	222.9	177.3
Fix Chg Cov	274%	262%	280%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '97-'99 to '03-'05
Revenues	-1.0%	-0.5%	-1.5%
"Cash Flow"	2.5%	1.5%	6.0%
Earnings	2.0%	2.0%	5.0%
Dividends	2.0%	1.0%	1.0%
Book Value	3.0%	2.5%	3.0%

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1997	379.6	496.7	216.7	194.6	1287.6
1998	402.3	483.9	247.0	205.4	1338.6
1999	323.9	375.1	185.9	183.7	1068.6
2000	182.3	213	192	192.7	780
2001	193	228	207	207	835

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1997	53	88	03	d 07	1.37
1998	45	79	d 02	19	1.41
1999	28	42	12	09	.91
2000	30	40	23	22	1.15
2001	32	44	25	24	1.25

Cal-endar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1996	265	265	265	27	1.07
1997	27	27	27	27	1.08
1998	27	27	27	27	1.08
1999	27	27	27	27	1.08
2000	27	27	27	27	1.08

1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	13.75	14.75
1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.65	2.80
1.13	91	83	1.02	1.13	95	1.01	1.04	1.13	1.08	1.17	1.33	1.37	1.37	1.41	91	1.15	1.25
54	63	70	80	88	94	98	1.02	1.03	1.04	1.04	1.04	1.06	1.08	1.08	1.08	1.08	1.08
2.95	3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.05	2.51	2.50	2.50
6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	12.00	12.00
26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	57.10	56.70	56.70
4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4	56.70	56.70
44	67	80	77	92	104	105	98	94	106	99	84	86	85	72	122	122	122
10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%	5.5%	5.5%

**BUSINESS** AGL Resources, Inc is a holding company. Its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 1.4 million customers in Georgia, primarily Atlanta, and in southern Tennessee. Also engaged in nonregulated natural gas marketing and other, allied services. Also wholesales and retails propane - Nonregulated subsidiaries: Georgia Natural

**AGL Resources is bearing the cost of unbundling its gas business.** Georgia, a leading proponent of deregulation, has required the company to segregate its traditional utility services—gas sales and gas transportation—and operate each under separate subsidiaries. The transport function continues as a regulated business operated by the Atlanta Gas Light system. The sale, or marketing, of gas is now a deregulated activity competing with other regional marketers. Since the utility is no longer a reseller of gas, it has had to turn over all of its customers to the marketers, of which AGL's subsidiary, Georgia Natural Gas Service (NGGS), is the largest. The utility's primary task today is to flow gas to the end users and bill the marketers for this service. The restructured company has the potential to achieve satisfactory profits. But it has been a costly transition. NGGS has had high startup expenses, while the utility has met with added service costs and delinquent accounts associated with the migration of customers to marketers. The transition costs may be mostly cleared away by the close of fiscal 2000 (ends September 30th).

Gas Services markets natural gas at retail. Utilpro provides billing services for NGGS and other marketers. AGL Propane distributes propane. Has about 2890 employees, 16,760 shareholders. Chairman & CEO: Walter M. Higgins. Georgia Address: 303 Peachtree St., N.E., Atlanta, GA 30308. Telephone: 404-584-9470. Internet address: www.aglresources.com

**In the meantime, the dividend should remain secure.** Though AGL's share earnings should gradually improve into fiscal 2001, it may be a while longer before they reach a new high. Thus, for this year and next, directors are apt to see no margin for raising the dividend. Still, we expect the board to be inclined to hold the quarterly payout at the current rate. This prospect is largely taken into account at the stock's recent price, which sets the annual dividend at a moderate premium to the gas-stock average. But conservative investors should note that AGL is seeking a merger partner. So this stock's usually sleepy price action might display a bit of turbulence at times due to takeover talk. **Gas marketing won't expose the utility to a major business risk.** Unlike the regional marketers, which are vying with each other for a share of the field, the utility still has an exclusive franchise as a regulated gas system. As a reseller, the utility was never allowed by the state to mark up the cost of gas for profit; earnings continue to be based entirely on the investment in gas plant.

Gerald Holtzman March 24, 2000

(A) Fiscal year ends September 30th	(B) Diluted earnings per share Next eps report due late-Apr Excl nonrecurring gains	(C) Next dividend meeting early May Goes ex mid-May Approx div'd payment dates March 1, June 1, Sept 1, Dec 1 Div'd reinvest plan available	(D) Incl deferred chgs in '99 \$2.78/sh	(E) In millions, adjusted for stock split	Company's Financial Strength B++	Stock's Price Stability 100	Growth Persistence 5	Earnings Predictability 70
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AGL RESOURCES NYSE-ATG										RECENT PRICE	16	P/E RATIO	13.7 (Trailing 17.4 Median 15.0)	RELATIVE P/E RATIO	1.01	DIV'D YLD	6.8%	VALUE LINE	463																			
TIMELINESS	3	Raised 2/4/00	High	15.4	16.1	18.8	19.5	21.3	19.4	20.0	22.0	21.6	23.4	23.4	18.4			Target Price Range																				
SAFETY	2	New 7/27/90	Low	11.9	13.3	14.9	15.1	17.0	14.6	14.9	17.1	17.8	17.7	15.6	15.8			2003	2004																			
TECHNICAL	3	Raised 12/31/99	LEGENDS										Docket No 04-00034																									
BETA	60	(1.00 = Market)	1.15 x Dividends p sh divided by Interest Rate										Exhibit CAPD-SB																									
2003-05 PROJECTIONS			2-for-1 split 12/95										Direct Testimony																									
Price	25	Gain (+55%)	Ann'l Total	Options Yes										Appendix -Value Line History																								
High	20	(+25%)	Return	Shaded area indicates recession										page 26 of 40																								
Low	20		11%																																			
Insider Decisions			J	A	S	O	N	D	J	F	M																											
to Buy	0	0	2	0	0	0	0	0	0	0	0																											
Options	0	0	0	1	0	0	0	0	0	0	0																											
to Sell	0	0	0	0	0	0	0	0	0	0	0																											
Institutional Decisions			3Q1999	4Q1999	1Q2000											% TOT RETURN 5/00																						
to Buy	53	62	53											THIS STOCK 6.4 4.6																								
to Sell	62	50	53											3 yr 3.3 39.1																								
Hld's(000)	21203	22850	19948											5 yr 28.8 107.6																								
			Percent	6.0																																		
			shares	4.0																																		
			traded	2.0																																		
1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	© VALUE LINE PUB, INC 03-05																				
46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	12.80	13.70	18.20	Revenues per sh <sup>A</sup>																			
1.87	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.75	2.95	3.50	"Cash Flow" per sh																			
1.13	.91	.83	1.02	1.13	.95	1.01	1.04	1.13	1.08	1.17	1.33	1.37	1.37	1.41	.91	1.15	1.25	1.75	Earnings per sh <sup>B</sup>																			
.54	.63	.70	.80	.88	.94	.98	1.02	1.03	1.04	1.04	1.04	1.06	1.08	1.08	1.08	1.08	1.08	1.15	Div'ds Decl'd per sh <sup>C</sup>																			
2.95	3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.05	2.51	2.65	2.65	2.50	Cap'l Spending per sh																			
6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	11.40	11.60	13.50	Book Value per sh <sup>D</sup>																			
26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	57.10	54.00	54.00	55.00	Common Shs Outst'g <sup>E</sup>																			
4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4	Bold figures are Value Line estimates		13.0	Avg Ann'l P/E Ratio																			
44	67	80	77	92	104	105	98	94	106	99	84	86	85	72	122			85	Relative P/E Ratio																			
10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%			5.0%	Avg Ann'l Div'd Yield																			
CAPITAL STRUCTURE as of 3/31/00																			1000.9	963.9	994.6	1130.3	1199.9	1063.0	1220.2	1287.6	1338.6	1068.6	690	740	Revenues (\$mill) <sup>A</sup>							
Total Debt 721.0 mill Due in 5 Yrs 250.0 mill																			45.6	49.4	55.4	57.5	63.2	74.3	75.6	76.6	80.6	52.1	64.0	70.0	Net Profit (\$mill)							
LT Debt \$590.0 mill LT Interest \$43.0 mill																			31.7%	34.6%	31.6%	32.9%	35.2%	36.9%	38.6%	37.9%	32.5%	33.1%	33.0%	33.0%	Income Tax Rate							
(total interest coverage 2.6x)																			4.6%	5.1%	5.6%	5.1%	5.3%	7.0%	6.2%	5.9%	6.0%	4.9%	9.3%	9.5%	Net Profit Margin							
Leases, Uncapitalized Annual rentals \$8.5 mill																			50.2%	49.6%	40.2%	40.5%	49.0%	47.4%	46.2%	48.7%	47.5%	45.3%	46.5%	47.5%	Long-Term Debt Ratio							
Pension Liability None																			47.8%	48.8%	58.1%	53.1%	45.8%	47.6%	48.9%	45.9%	47.1%	49.2%	47.5%	47.0%	Common Equity Ratio							
Pfd Stock \$74.3 mill Pfd Div'd \$6.1 mill																			831.9	918.3	812.7	925.7	1131.5	1170.3	1201.3	1356.4	1388.4	1345.8	1290	1325	Total Capital (\$mill)							
\$74.3 mill 8.17% subsidiary obligated mandatorily																			1049.6	1141.6	1217.9	1281.3	1297.4	1350.3	1415.4	1496.6	1534.0	1598.9	1665	1715	Net Plant (\$mill)							
sredeemable pfd seces (Div'ds are a tax-																			7.6%	7.6%	9.4%	8.6%	7.5%	8.2%	8.0%	7.3%	7.6%	5.7%	6.5%	7.0%	Return on Total Cap'l							
deductible fixed charge)																			11.0%	10.7%	11.4%	10.4%	11.0%	12.1%	11.7%	11.0%	11.1%	7.1%	10.5%	11.0%	Return on Shr Equity							
Common Stock 54,285,667 shs																			11.2%	10.8%	11.5%	10.8%	11.3%	12.5%	12.1%	11.3%	12.3%	7.9%	10.5%	11.0%	Return on Com Equity							
MARKET CAP \$875 million (Small Cap)																			2%	2%	1.0%	4%	3.0%	4.6%	3.8%	3.2%	4.4%	NMF	5%	1.5%	Retained to Com Eq							
																			98%	98%	91%	96%	75%	66%	71%	74%	64%	101%	94%	85%	All Div'ds to Net Prof							
CURRENT POSITION 1998 1999 3/31/00																			BUSINESS AGL Resources, Inc is a holding company Its pncipal subsidiary is Atlanta Gas Light Co, a regulated distributor of natural gas to more than 1.4 million customers in Georgia, pmanly Atlanta, and in southern Tennessee Also engaged in nonregulated natural gas marketing and other, allied services Also wholesales and retails propane Nonregulated subsidiaries Georgia Natural										Gas Services markets natural gas at retail, Utliopro provides billing services for GNGS and other marketers; AGL Propane distributes propane Has about 2890 employees, 16,760 shareholders Chair- man & Ch Exec Off Walter M Higgins Incorp Georgia Ad- dress 303 Peachtree St, N.E, Atlanta, GA 30308 Telephone: 404-584-9470 Internet address www.aglresources.com									
(MILL.)																			In its biggest deal ever, AGL Resources plans to acquire Virginia Natural Gas Dominion Resources will sell its VNG utility to comply with a regulatory order so that it can complete its acquisition of Consolidated Natural Gas AGL would buy VNG for \$500 million-\$550 million The actual cash price will depend on how Dominion wants the deal structured for tax purposes Even assuming a price at the lower end of the range, AGL would be making a large financial commitment The purchase is apt to be funded in full with borrowings. Given its large regulated utility business, AGL operates prudently with a balance sheet leveraged with debt and preferred stock The VNG acquisition will require additional long-term debt of about \$500 million, making AGL somewhat top-heavy with 65% senior capital (excluding short-term debt) In effect, though VNG is a profitable utility with a fast-growing customer base, its pairing with AGL would likely have a small dilutive impact on share earnings of \$0.05-\$0.10 Management expects VNG to begin adding to share earnings within a year of the acquisition's closing date,																			
Cash Assets	3.6	32.9	6.5	which may happen before the end of 2000																																		
Other	294.0	124.6	77.8	AGL will form a holding company to facilitate the VNG purchase. VNG is a gas distributor serving the Newport News-Hampton Roads area of southeast Virginia Since its gas lines are geographically too far apart from AGL's Atlanta Gas Light system for the two distributors to be interconnected, the holding company structure would give AGL more flexibility in financing the needs of each subsidiary In addition, AGL may pick up a measure of business synergy in the nonregulated area of gas marketing, which both Georgia and Virginia are encouraging																																		
Current Assets	297.6	157.5	84.3	AGL shares, which have sold off moderately due to the VNG buyout terms, offer generous income. AGL could sell some of VNG's assets if it has to ease its post-merger financial burden Assuming the current quarterly dividend holds, its yield—nearly two percentage points above the gas-stock average—should give the stock a good underpinning in the year-ahead market Still, the lofty yield suggests a measure of investment risk that is unsuitable for conservative accounts																																		
Accts Payable	51.1	31.3	27.4	Gerald Holtzman June 23, 2000																																		
Debt Due	76.5	51.5	131.0																																			
Other	125.1	140.1	72.8																																			
Current Liab	252.7	222.9	231.2																																			
Fix Chg Cov	274%	262%	280%																																			
ANNUAL RATES Past Past Est'd '97-'99																																						
of change (per sh)	10 Yrs	5 Yrs	to '03-'05																																			
Revenues	-1.0%	-5%	-2.5%																																			
"Cash Flow"	2.5%	1.5%	6.0%																																			
Earnings	2.0%	2.0%	6.0%																																			
Dividends	2.0%	1.0%	1.0%																																			
Book Value	3.0%	2.5%	4.5%																																			
Fiscal Year																																						
Year Ends	Dec 31	Mar 31	Jun 30	Sep 30																																		
1997	379.6	496.7	216.7	194.6	1287.6																																	
1998	402.3	483.9	247.0	205.4	1338.6																																	
1999	323.9	375.1	185.9	183.7	1068.6																																	
2000	182.3	160.1	170	177.6	690																																	
2001	190	180	180	190	740																																	
EARNINGS PER SHARE <sup>A, B</sup>																																						
Fiscal Year	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year																																	
Year Ends	53	88	03	d 07	1.37																																	
1997	45	79	d 02	19	1.41																																	
1998	28	42	12	09	.91																																	
1999	30	41	23	21	1.15																																	
2000	32	44	25	24	1.25																																	
2001																																						
QUARTERLY DIVIDENDS PAID <sup>C</sup>																																						
Cal-endar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year																																	
1996	265	265	265	27	1.07																																	
1997	27	27	27	27	1.08																																	
1998	27	27	27	27	1.08																																	
1999	27	27	27	27	1.08																																	
2000	27	27																																				

TIMELINESS <b>3</b> Raised 2/4/00	High 15.4	16.1	18.8	19.5	21.3	19.4	20.0	22.0	21.6	23.4	23.4	20.4		Target Price Range
SAFETY <b>2</b> New 7/27/99	Low 11.9	13.3	14.9	15.1	17.0	14.6	14.9	17.1	17.8	17.7	15.6	15.5		2003 2004 2005

TECHNICAL <b>3</b> Raised 9/8/00	LEGENDS													
BETA <b>60</b> (1.00 = Market)	15x Dividends p sh													
	divided by Interest Rate													
	Relative Price Strength													
	2 for-1 split 12/95													
	Options Yes													
	Shaded area indicates recession													

2003-05 PROJECTIONS														
Price	25	20												
Gain	(+25%)	(Nil)												
Ann'l Total Return	10%	5%												

Insider Decisions														
O N D J F M A M J														
to Buy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Options	1	0	0	0	0	0	0	0	0	0	0	0	0	0
to Sell	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Institutional Decisions														
4Q1999	102000	202000												
to Buy	52	53	73											
to Sell	50	63	42											
Hld's(000)	22850	19948	20489											

1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	© VALUE LINE PUB, INC	03-05
46.00	37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	11.20	10.85	Revenues per sh <sup>A</sup>	18.20
1.97	1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.75	2.85	"Cash Flow" per sh	3.50
1.13	.91	.83	1.02	1.13	.95	1.01	1.04	1.13	1.08	1.17	1.33	1.37	1.37	1.41	.91	1.20	1.30	Earnings per sh <sup>B</sup>	1.70
.54	.63	.70	.80	.88	.94	.98	1.02	1.03	1.04	1.04	1.04	1.06	1.08	1.08	1.08	1.08	1.08	Div'ds Decl'd per sh <sup>C</sup>	1.15
2.95	3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.37	2.17	2.37	2.59	2.05	2.51	2.65	2.65	2.65	Cap'l Spending per sh	2.50
6.92	7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	11.45	11.65	Book Value per sh <sup>D</sup>	13.50
26.64	31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	57.10	54.00	54.00	Common Shs Outst'g <sup>E</sup>	55.00
4.7	8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4			Avg Ann'l P/E Ratio	13.0
44	67	80	77	92	104	105	98	94	106	99	84	86	85	72	122			Relative P/E Ratio	85
10.1%	8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%			Avg Ann'l Div'd Yield	5.0%

CAPITAL STRUCTURE as of 6/30/00	1000.9	963.9	994.6	1130.3	1199.9	1063.0	1220.2	1287.6	1338.6	1068.6	605	585	Revenues (\$mil) <sup>A</sup>	720
Total Debt 748.5 mill	45.6	49.4	55.4	57.5	63.2	74.3	75.6	76.6	80.6	52.1	65.0	70.0	Net Profit (\$mil)	93.0
LT Debt \$590.0 mill	31.7%	34.6%	31.6%	32.9%	35.2%	36.9%	38.6%	37.9%	32.5%	33.1%	36.0%	36.0%	Income Tax Rate	35.0%
LT Interest \$43.0 mill	4.6%	5.1%	5.6%	5.1%	5.3%	7.0%	6.2%	5.9%	6.0%	4.9%	10.8%	12.0%	Net Profit Margin	12.9%
(total interest coverage 3.3x)	50.2%	49.6%	40.2%	40.5%	49.0%	47.4%	46.2%	48.7%	47.5%	45.3%	46.0%	47.0%	Long-Term Debt Ratio	47.0%

Leases, Uncapitalized Annual rentals \$8.5 mill	47.8%	48.8%	58.1%	53.1%	45.8%	47.6%	48.9%	45.9%	47.1%	49.2%	48.0%	47.5%	Common Equity Ratio	48.5%
Pension Liability None	831.9	918.3	812.7	925.7	1131.5	1170.3	1201.3	1356.4	1388.4	1345.8	1285	1325	Total Capital (\$mil)	1535

Pfd Stock \$74.3 mill	1049.6	1141.6	1217.9	1281.3	1297.4	1350.3	1415.4	1496.6	1534.0	1598.9	1665	1715	Net Plant (\$mil)	1900
Pfd Div'd \$6.1 mill	7.6%	7.6%	9.4%	8.6%	7.5%	8.2%	8.0%	7.3%	7.6%	5.7%	6.5%	7.0%	Return on Total Cap'l	7.5%

\$74.3 mill 8.17% subsidiary obligated mandatorily	11.0%	10.7%	11.4%	10.4%	11.0%	12.1%	11.7%	11.0%	11.1%	7.1%	10.5%	11.0%	Return on Shr Equity	12.5%
redeemable pfd secs (Div'ds are a tax-	11.2%	10.8%	11.5%	10.8%	11.3%	12.5%	12.1%	11.3%	12.3%	7.9%	10.5%	11.0%	Return on Com Equity	12.5%
deductible fixed charge)	2%	2%	10%	4%	3.0%	4.6%	3.3%	3.2%	4.4%	NMF	1.0%	2.0%	Retained to Com Eq	4.0%

Common Stock 54,186,135 shs	98%	98%	91%	96%	75%	66%	71%	74%	64%	101%	90%	83%	All Div'ds to Net Prof	68%
MARKET CAP \$1.1 billion (Mid Cap)														

CURRENT POSITION (SMILL)	1998	1999	6/30/00											
Cash Assets	3.6	32.9												
Other	294.0	124.6	75.1											
Current Assets	297.6	157.5	75.1											
Accts Payable	51.1	31.3	30.0											
Debt Due	78.5	51.5	158.5											
Other	125.1	140.1	55.9											
Current Liab	252.7	222.9	244.4											
Fix Chg Cov	274%	262%	300%											

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '97-'99 to '03-'05											
of change (per sh)	-1.0%	-5.3%	3.0%											
Revenues	2.5%	1.5%	6.0%											
"Cash Flow"	2.0%	2.0%	6.0%											
Earnings	2.0%	1.0%	1.0%											
Dividends	2.0%	1.0%	1.0%											
Book Value	3.0%	2.5%	3.0%											

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year									
1997	379.6	496.7	216.7	194.6	1287.6									
1998	402.3	483.9	247.0	205.4	1338.6									
1999	323.9	375.1	185.9	183.7	1068.6									
2000	182.3	160.1	131.8	130.8	605									
2001	150	165	135	135	585									

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year									
1997	53	88	03	d 07	1.37									
1998	45	79	d 02	19	1.41									
1999	28	42	12	09	.91									
2000	30	41	26	.23	1.20									
2001	33	44	28	.25	1.30									

Cal-endar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year									
1996	265	265	265	27	1.07									
1997	27	27	27	27	1.08									
1998	27	27	27	27	1.08									
1999	27	27	27	27	1.08									
2000	27	27	27	27	1.08									

27		27		27		Adl Resources has sold its unprofitable Gerda Holzman		September 22, 2000											
Fiscal year ends September 30th						(C) Next dividend meeting early Nov Goes ex mid-Nov Approx div'd payment dates March 1, June 1, Sept 1, Dec 1 ■ Div'd reinvest plan available				(D) Incl deferred chgs in '99 \$2.78/sh (E) In millions, adjusted for stock split				Company's Financial Strength				B++	
Diluted earnings per share Next ex report due late Oct Excl nonrecurring gains \$0.37, '88, \$0.15, '95, \$0.83, '99, \$0.39-														Stock's Price Stability				100	
														Price Growth Persistence				5	
														Earnings Predictability				70	



# AGL RESOURCES NYSE-ATG

RECENT PRICE 22 P/E RATIO 16.7 (Trailing 17.7 Median 15.0) RELATIVE P/E RATIO 1.14 DIV'D YLD 4.9% VALUE LINE 468

TIMELINESS 3 Raised 2/4/00 SAFETY 2 New 7/27/90 TECHNICAL 3 Raised 9/8/00 BETA 80 (1.00 = Market)

2003-05 PROJECTIONS

Price Gain Ann'l Total High Low 30 (+35%) 12% 20 (-10%) 3%

Insider Decisions

Institutional Decisions

102000 202000 302000

1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001

46.00 37.42 27.58 26.24 22.97 21.63 22.58 20.26 20.43 22.73 23.59 19.32 21.91 22.75 23.36 18.71 11.25

1.87 1.69 1.52 1.64 1.90 1.93 2.04 2.07 2.31 2.25 2.24 2.33 2.49 2.42 2.65 2.29 2.80

1.13 91 83 102 113 95 101 104 113 108 117 133 137 137 141 91 124

54 63 70 80 88 94 98 102 103 104 104 104 106 108 108 108 108

2.95 3.01 3.30 3.59 2.86 2.65 2.73 2.95 2.74 2.49 2.37 2.17 2.37 2.59 2.05 2.51 2.65

6.92 7.12 7.59 7.89 8.72 8.83 8.97 9.42 9.70 9.90 10.19 10.12 10.56 10.99 11.42 11.59 11.50

26.64 31.12 36.55 37.48 42.47 43.40 44.32 47.57 48.69 49.72 50.86 55.02 55.70 56.60 57.30 57.10 54.00

4.7 8.3 11.8 11.5 11.1 13.7 14.2 15.3 15.5 17.9 15.1 12.6 13.8 14.7 13.9 21.4 14.2

44 67 80 77 92 104 105 98 94 106 99 84 86 85 72 122 96

10.1% 8.4% 7.1% 6.8% 7.1% 7.2% 6.8% 6.4% 5.9% 5.4% 5.9% 6.2% 5.6% 5.4% 5.5% 6.2%

CAPITAL STRUCTURE as of 6/30/00

Total Debt 748.5 mill Due in 5 Yrs 278.0 mill LT Debt \$590.0 mill LT Interest \$43.0 mill (total interest coverage 3.3x)

Leases, Uncapitalized Annual rentals \$8.5 mill Pension Liability None

Pfd Stock \$74.3 mill Pfd Div'd \$6.1 mill \$74.3 mill 8.17% subsidiary obligated mandatorily redeemable pfd secs (Div'ds are a tax-deductible fixed charge)

Common Stock 54,186,135 shs MARKET CAP \$1.2 billion (Mid Cap)

CURRENT POSITION 1998 1999 6/30/00

Cash Assets 3.6 32.9 75.1 Other 294.0 124.6 75.1

Current Assets 297.6 157.5 75.1 Accts Payable 51.1 31.3 30.0

Debt Due 76.5 51.5 158.5 Other 125.1 140.1 55.9

Current Liab 252.7 222.9 244.4 Fix Chg Cov 274.0 262.0 300.0

ANNUAL RATES Past Past Est'd '97-'99 of change (per sh) 10 Yrs 5 Yrs to '03-'05

Revenues -1.0% -5% -3.0% "Cash Flow" 2.5% 1.5% 6.0%

Earnings 2.0% 2.0% 5.5% Dividends 2.0% 1.0% 1.0%

Book Value 3.0% 2.5% 3.0%

BUSINESS AGL Resources, Inc is a holding company. Its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 1.4 million customers in Georgia, primarily Atlanta, and in southern Tennessee. Also engaged in nonregulated natural gas marketing and other, allied services. Also wholesales and retails propane. Nonregulated subsidiaries: Georgia Natural

Gas Services markets natural gas at retail. Utilpro provides billing services for GNGS and other marketers. AGL Propane distributes propane. Has about 2890 employees, 16,760 shareholders. President & Chief Exec Off: Paula Rospot Incorp Georgia Address: 303 Peachtree St., N.E., Atlanta, GA 30308 Telephone: 404-584-9470 Internet address: www.aglresources.com

**AGL Resources' unbundling transition isn't leaving lasting financial scars.** The company has carried out Georgia's 1999 legislative mandate to segregate its traditional utility operation into regulated and nonregulated services. The distribution system, with its infrastructure of underground mains, continues as a regulated monopoly. The big difference today is that it is no longer a buyer and reseller of gas supplies. That merchant role now belongs to the new Georgia Natural Gas subsidiary (GNGS), the dominant marketer operating in competition with other regional sellers. The utility is now solely a gas transporter, flowing gas supplies procured by the marketers to local end-users. The transition, however, was costly, especially for the gas system, which had to absorb stepped-up service costs and record account delinquencies as customers transferred their business to the marketers. Management's application of new operating efficiencies is taking the utility out of its slump, and GNGS is clearing away its start-up losses. In all, earnings now seem to be on a forward heading. **The dividend is getting a wider mar-**

**gun of safety.** Despite Georgia's competitive marketing arena for natural gas, the utility is apt to remain AGL's chief moneymaker. A new rate design reduces the gas-transport system's dependence on weather-sensitive demand for fuel. The state also permits certain costs to be deferred and amortized to the extent the system can earn its allowed return, now at 10.6%. AGL's regulated systems, moreover, should afford shareholders a good measure of insulation from the risk effects of nonutility business. We believe the Atlanta system's recovering profits will protect the payout, though a quarterly-boost might be a year or so away. The shares, offering a generous yield, are a safe haven for conservative investors.

**Virginia Natural Gas serves as a new distribution arm.** Serving Newport News, this recent \$500 million acquisition (not now factored into our estimates) may dilute share earnings modestly in fiscal 2001 (ends September 30th). The dilution might be lessened or eliminated if AGL finds unwanted assets to sell and uses the proceeds to pay down the acquisition debt. **Gerald Holtzman**

December 22, 2000

(A) Fiscal year ends September 30th (B) Diluted earnings per share. Next earnings report due late Jan. Excl nonrecurring gains \$4, \$0.37, \$8, \$0.15, '95, d\$0.83, '99, \$0.39, \$0.2000 Value Line Publishing, Inc. All rights reserved. Factual material is obtained from sources believed to be reliable and is provided without warranties of any kind. The PUBLISHER IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS HEREIN. This publication is strictly for subscriber's own, non-commercial internal use. No part of it may be reproduced, stored or transmitted in any printed, electronic or other form, or used for generating or marketing any printed or electronic publication, service or product.

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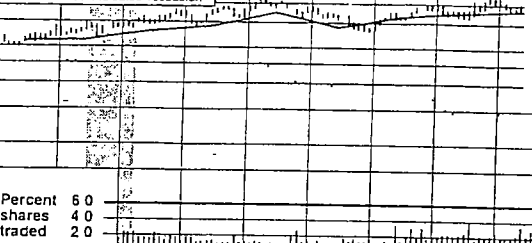
**TIMELINESS** 3 Raised 2/4/00  
**SAFETY** 2 New 7/27/99  
**TECHNICAL** 3 Raised 8/3/01  
**BETA** 55 (1.00 = Market)

**LEGENDS**  
 115 x Dividends p sh  
 divided by Interest Rate  
 Relative Price Strength  
 2 for-1 split 12/95  
 Options Yes  
 Shaded area indicates recession

**2004-06 PROJECTIONS**  
 Price Gain Ann'l Total  
 High 35 (+65%) 17%  
 Low 25 (+20%) 9%

**Insider Decisions**  
 O N D J F M A M J  
 to Buy 0 0 0 0 0 0 0 1 1  
 Options 0 0 0 0 1 0 0 1 0  
 to Sell 0 0 0 0 0 0 0 0 0

**Institutional Decisions**  
 4Q2000 1Q2001 2Q2001  
 to Buy 64 61 79  
 to Sell 53 51 41  
 Hld's(000) 22338 23798 25387



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 Direct Testimony  
 Appendix -Value Line History  
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1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% TOT RETURN 8/01	THIS STOCK	VL ARITH INDEX
37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	11.25	18.10	20.45	Revenues per sh A	18.0	1.6
1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.86	3.25	3.45	"Cash Flow" per sh	29.4	56.0
91	83	102	113	95	101	104	113	108	117	133	137	137	141	91	129	150	165	Earnings per sh B	30.7	87.6
63	70	80	88	94	98	102	103	104	104	104	106	108	108	108	108	108	108	Div'ds Decl'd per sh C		
3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.05	2.51	2.92	2.25	2.25	Cap'l Spending per sh		
7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	11.50	12.00	12.55	Book Value per sh D		
31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	57.10	54.00	55.00	55.00	Common Shs Outst'g E		
8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4	13.6	15.6	15.6	Avg Ann'l P/E Ratio	15.5	15.5
67	80	77	92	104	105	98	94	106	99	84	86	85	72	122	90	90	90	Relative P/E Ratio	1.05	1.05
8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%	6.2%	6.2%	6.2%	Avg Ann'l Div'd Yield	3.7%	3.7%
<b>CAPITAL STRUCTURE as of 6/30/01</b>																		<b>© VALUE LINE PUB, INC 04-06</b>		
Total Debt 1109.7 mill Due in 5 Yrs 815.0 mill																		Revenues (\$mill) A	1400	
LT Debt \$1064.7 mill LT Interest \$75.0 mill																		Net Profit (\$mill)	120	
(Inc \$219.7 million in trust-preferred securities)																		Income Tax Rate	34.0%	
(Total interest coverage 2.5x)																		Net Profit Margin	8.4%	
Leases, Uncapitalized Annual rentals \$18.3 mill																		Long-Term Debt Ratio	50.0%	
Pension Liability \$6.7 mill in '00 vs \$5.3 mill in '99																		Common Equity Ratio	50.0%	
Pfd Stock None																		Total Capital (\$mill)	1755	
Common Stock 54,807,072 shs																		Net Plant (\$mill)	2365	
MARKET CAP \$1.2 billion (Mid Cap)																		Return on Total Cap'l	7.0%	
<b>CURRENT POSITION</b> 1999 2000 6/30/01																		Return on Shr Equity	13.5%	
(\$MILL)																		Return on Com Equity	13.5%	
Cash Assets 32.9 2.0 4.5																		Retained to Com Eq	6.0%	
Other 124.6 97.7 173.9																		All Div'ds to Net Prof	56%	
Current Assets 157.5 99.7 178.4																				
Accts Payable 31.3 34.0 64.0																				
Debt Due 51.5 161.2 45.0																				
Other 140.1 89.6 391.3																				
Current Liab 222.9 284.8 500.3																				
Fix Chg Cov 262% 239% 235%																				

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '98-'00	'04-'06
of change (per sh)				
Revenues	-2.5%	-4.0%	5.5%	
"Cash Flow"	3.0%	2.5%	8.5%	
Earnings	1.5%	-	9.5%	
Dividends	1.5%	1.0%	1.0%	
Book Value	2.5%	2.5%	5.0%	

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1998	402.3	483.9	247.0	205.4	1338.6
1999	323.9	375.1	185.9	183.7	1068.6
2000	182.3	160.1	131.8	133.2	607.4
2001	294.8	350.6	175.7	173.9	995
2002	315	375	215	220	1125

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1998	45	79	d 02	19	141
1999	28	42	12	09	91
2000	30	41	26	32	129
2001	41	83	17	09	150
2002	50	70	25	20	165

Cal-endar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1997	27	27	27	27	108
1998	27	27	27	27	108
1999	27	27	27	27	108
2000	27	27	27	27	108
2001	27	27	27	27	108

**AGL Resources' seasonality has increased due to its acquisition of Virginia Natural Gas (VNG).** VNG, a local distribution utility, generates most of its income during the winter months, when gas is in demand to heat buildings and homes. The purchase weighed down earnings in the June quarter with higher interest expense than the year-ago period, as well as goodwill amortization. Consequently, earnings per share declined 35% year over year, to \$0.17 (Note AGL will no longer amortize goodwill beyond September 30, 2001, in adherence to SFAS 142).

**The company will change its segment reporting format in fiscal 2002** (begins October 1, 2001). Presently, AGL breaks out performance into two categories: Utility and Nonutility. Subsequent, a nonregulated wholesale-energy trading unit, has been included in the Utility segment, but will be disclosed separately.

**The nonutility segment has been unprofitable this fiscal year,** but the company has questioned the results of its retail-gas trading joint venture (JV) with Dynegy and Piedmont Natural Gas, called SouthStar Energy. AGL believes that it should have earned more money than it did from the venture over the past year, given the favorable pricing for natural gas. After making numerous attempts to obtain proper documentation of Dynegy's activities as asset manager of the JV, AGL has filed suit against Dynegy for failure to disclose an accounting of transactions, and seeks termination of the partnership.

**AGL's Georgia utility, Atlanta Gas Light, has come under pressure from regulators.** The Georgia Public Service Commission has launched a rate review of the utility, under the premise that it is earning above the allotted 11% return on equity (ROE). The company maintains, however, the utility's ROE is 9.9%. A verdict will be reached in March 2002.

**This issue remains suitable for income-oriented investors.** AGL stock displays excellent Price Stability over the long term, though with little Price Growth Persistence. The company's move into non-regulated businesses is likely to add a touch of volatility to these shares, but AGL continues to operate primarily as a regulated local distribution company.

Gas Services markets natural gas at retail. Acq. Virginia Natural Gas, 10/00. Sold Utilipro, 3/01. Has about 1,938 employees. Ofc/dirs own 11% of out com shs. Amencan Century Inv owns 5.7% of com shs (12/00 Proxy) President & CEO Paula Rospot. Incorp Georgia. Address 303 Peachtree St., N.E., Atlanta, GA 30308. Telephone 404-584-9470. Internet www.aglresources.com

# AGL RESOURCES

NYSE-ATG

RECENT PRICE 21.45

P/E RATIO 14.7 (Trailing 13.2 Median 15.0)

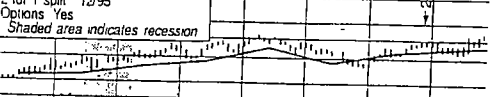
RELATIVE P/E RATIO 0.79

DIV'D YLD 5.0%

VALUE LINE 462

TIMELINESS 4 Lowered 10/5/01  
SAFETY 2 New 7/27/90  
TECHNICAL 3 Raised 10/25/01  
BETA 60 (1.00 = Market)

High	Low	16.1	18.8	19.5	21.3	19.4	20.0	22.0	21.6	23.4	23.4	23.2	24.5
Low	13.3	14.9	15.1	17.0	14.6	14.9	17.1	17.8	17.7	15.6	15.5	19.0	



Docket No 04-00034  
Exhibit CAPD-SB  
Direct Testimony  
Appendix -Value Line History  
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2004-06 PROJECTIONS  
Price 35  
Gain (+65%)  
Ann'l Total Return 77%  
High 35  
Low 25

Insider Decisions  
J F M A M J J A S  
to Buy 0 0 0 0 1 0 0 0 0  
Options 0 1 0 0 0 0 0 0 0  
to Sell 0 0 0 0 0 0 0 0 0

Institutional Decisions  
1Q2001 2Q2001 3Q2001  
to Buy 61 79 55  
to Sell 51 41 59  
Hld's(000) 23798 25387 26336

1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
37.42	27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.38	18.71	11.25	19.10	21.00
1.69	1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.86	3.20	3.45
91	83	102	113	95	101	104	113	108	117	133	137	141	91	129	150	1.65	Earnings per sh
63	70	80	88	94	98	102	103	104	104	104	106	108	108	108	108	1.08	Div'ds Decl'd per sh
3.01	3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.58	2.05	2.51	2.92	2.25	2.25
7.12	7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	11.50	12.00	12.55
31.12	36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	54.00	55.00	55.00	55.00
8.3	11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4	13.6	14.6	15.5
67	80	77	92	104	105	98	94	106	99	84	86	85	72	122	90	77	77
8.4%	7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%	6.2%	5.4%	5.4%

CAPITAL STRUCTURE as of 6/30/01  
Total Debt \$109.7 mill Due in 5 Yrs \$15.0 mill  
LT Debt \$106.4 mill LT Interest \$75.0 mill  
(Inc \$219.7 million in trust preferred securities)  
(Total interest coverage 2.5x)  
Leases, Uncapitalized Annual rentals \$18.3 mill  
Pension Liability \$6.7 mill in '00 vs \$5.3 mill in '99  
Pfd Stock None

Common Stock 54,807,072 shs  
MARKET CAP \$1.2 billion (Mid Cap)

CURRENT POSITION	1999	2000	6/30/01
(\$MILL)			
Cash Assets	32.9	2.0	4.5
Other	124.6	97.7	173.9
Current Assets	157.5	99.7	178.4
Accts Payable	31.3	34.0	64.0
Debt Due	51.5	161.2	45.0
Other	140.1	89.6	391.3
Current Liab	222.9	264.8	500.3
Fix Chg Cov	262.9	239.9	235.6

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '98-'00
of change (per sh)			
Revenues	-2.5%	-4.0%	5.5%
"Cash Flow"	3.0%	2.5%	8.5%
Earnings	1.5%	-	9.5%
Dividends	1.5%	1.0%	1.0%
Book Value	2.5%	2.5%	5.0%

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1998	402.3	483.9	247.0	205.4	1338.6
1999	323.9	375.1	185.9	183.7	1068.6
2000	182.3	160.1	131.8	133.2	607.4
2001	294.8	350.6	175.7	228.2	1049.3
2002	375	215	250	315	1155

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1998	45	79	102	19	141
1999	28	42	12	09	91
2000	30	41	26	32	129
2001	41	83	17	09	150
2002	70	25	20	50	165

Calendar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1997	27	27	27	27	108
1998	27	27	27	27	108
1999	27	27	27	27	108
2000	27	27	27	27	108
2001	27	27	27	27	108

BUSINESS AGL Resources, Inc. is a holding company. Its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 1.8 million customers in Georgia, primarily Atlanta, and in southern Tennessee. Also engaged in nonregulated natural gas marketing and other, allied services. Also wholesales and retails propane. Nonregulated subsidiaries: Georgia Natural

AGL Resources generated double-digit share-net growth in fiscal 2001 (ended September 30th). Earnings from its core business, gas distribution, increased 43% from the prior year, to \$215 million before interest and taxes. The acquisition of Virginia Natural Gas was the key factor, but cost-cutting measures further enhanced profitability. Meanwhile, the company's nonutility businesses, which will likely be the main growth drivers down the road, added moderately to the bottom line in 2001. Its Energy Investments segment, which includes the company's 50% stake in SouthStar Energy Services, and AGL Networks, earned \$10 million during the year. Finally, its energy-trading arm, Sequent, generated \$3.5 million in profits. Looking ahead, earnings of \$1.60-\$1.70 a share are for the 12 months ending September 30, 2002, though the company is switching its fiscal year to the normal calendar year starting in January, 2002. The Georgia rate dispute is still an issue for AGL, and the verdict may well impact next year's bottom line. Last summer, the Georgia Public Service Commission launched a rate review of AGL's

Gas Services markets natural gas at retail. Acq. Virginia Natural Gas, 10/00. Sold Utilpro, 3/01. Has about 1,938 employees. Offs/dirs own 1.1% of out com shs Amercan Century Inv. owns 5.7% of com shs (12/00 Proxy) President & CEO Paula Rospot. Incorp Georgia Address 303 Peachtree St, N.E., Atlanta, GA 30308 Telephone 404-584-9470 Internet www.aglresources.com

Georgia utility, asserting that its return on equity (ROE) was above the allowed 11% level. But AGL maintains that the utility was only generating an ROE of 9.9%, and is seeking a rate increase. A decision should be made early next year. Elsewhere, the company recently made a significant step in the development of its telecom business. In November, it agreed to buy a telecommunications network from ACSI Network Technologies for an undisclosed price. The deal, scheduled to be completed by yearend, would make AGL the largest Competitive Local Exchange Carrier in the metropolitan area. The purchase would also speed up AGL's entry to market, and cost less than its previously announced plans to build its own fiber network. This issue is currently a good income stock. Its dividend yield became increasingly appealing as interest rates moved downward (making cash less attractive). Too, its Price Stability rating should continue to hold strong, given that the company's profits come largely from its regulated businesses.

Michael P Maloney December 21, 2001

(A) Fiscal year ends September 30th. Ends December 31st, beginning in January 2002.  
(B) Diluted earnings per share. Next earnings report due late Jan. Excl. nonrecurring gains.  
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'88, '89, '90, '91, '92, '93, '94, '95, '96, '97, '98, '99, '00, '01, '02, '03 (C) Next dividend meeting in early Feb. Goes ex in mid-Feb. Approx. div'd payment dates: March 1, June 1, Sept 1, Dec 1.

Div'd reinvest plan available  
(D) Incl. deferred chgs 9/30/00 \$3.19/sh  
(E) In millions, adjusted for stock split

Company's Financial Strength	B++
Stock's Price Stability	100
Price Growth Persistence	10
Earnings Predictability	55

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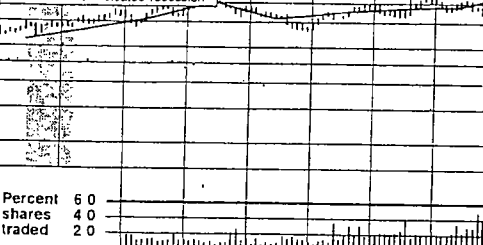
# AGL RESOURCES NYSE-ATG

RECENT PRICE **23.37** P/E RATIO **14.6** (Trailing 15.2 Median 15.0) RELATIVE P/E RATIO **0.73** DIV'D YLD **4.6%** VALUE LINE **462**

**TIMELINESS** 4 Lowered 10/5/01  
**SAFETY** 2 New 7/27/90  
**TECHNICAL** 3 Raised 2/22/02  
**BETA** 60 (1.00 = Market)

## LEGENDS

115 x Dividends p sh  
 divided by Interest Rate  
 Relative Price Strength  
 2 for-1 split 12/95  
 Options Yes  
 Shaded area indicates recession



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 Direct Testimony  
 Appendix -Value Line History  
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## 2005-07 PROJECTIONS

Price Gain Ann'l Total  
 High 35 (+50%) 14%  
 Low 25 (+5%) 7%

## Insider Decisions

A M J J A S O N D  
 to Buy 0 1 1 0 0 0 0 1 0  
 Options 0 1 0 0 0 0 0 0 0  
 to Sell 0 0 0 0 0 0 0 0 0

## Institutional Decisions

202001 302001 402001  
 to Buy 79 55 62  
 to Sell 41 59 63  
 Mid's(000) 25387 26336 26413

Percent 6 0  
 shares 4 0  
 traded 2 0

1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	VALUE LINE PUB, INC	05-07
27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	11.25	19.04	21.00	22.60	Revenues per sh A	27.20
1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.86	3.31	3.55	3.75	"Cash Flow" per sh	4.30
83	102	113	95	101	104	113	108	117	133	137	141	141	91	129	150	1.65	1.80	Earnings per sh B	2.10
70	80	88	94	98	102	103	104	104	104	106	108	108	108	108	108	108	108	Div'ds Decl'd per sh C	1.16
3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.05	2.51	2.92	2.83	2.25	2.25	Cap'l Spending per sh	2.35
7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	11.50	12.19	12.65	13.70	Book Value per sh	16.60
36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	57.10	54.00	55.10	55.50	56.00	Common Shs Outst'g D	57.00
11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4	13.6	14.6	14.6	14.6	Avg Ann'l P/E Ratio	15.0
80	77	92	104	105	98	94	106	99	84	86	85	72	122	88	77	77	77	Relative P/E Ratio	1.00
7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%	6.2%	4.9%	4.9%	4.9%	Avg Ann'l Div'd Yield	3.7%
CAPITAL STRUCTURE as of 12/31/01																			
Total Debt 1492.7 mill Due in 5 Yrs 198.5 mill																			
LT Debt \$1015.0 mill LT Interest \$75.0 mill																			
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Common Stock 55,568,054 shs																			
MARKET CAP \$1.3 billion (Mid Cap)																			
CURRENT POSITION 2000 2001 12/31/01																			
(SMILL)																			
Cash Assets 2.0 2.8 22.3																			
Other 97.7 214.6 290.3																			
Current Assets 99.7 217.4 312.6																			
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Other 89.6 155.8 133.5																			
Current Liab 284.8 586.6 709.2																			
Fix Chg Cov 239% 241% 245%																			
ANNUAL RATES Past Past Est'd '99-'01																			
of change (per sh) 10 Yrs 5 Yrs to '05-'07																			
Revenues -2.5% -5.5% 9.0%																			
"Cash Flow" 3.5% 3.5% 7.5%																			
Earnings 2.0% -1.0% 9.5%																			
Dividends 1.0% 0.5% 1.0%																			
Book Value 2.5% 2.5% 6.0%																			
Fiscal Year QUARTERLY REVENUES (\$ mill) A Full Fiscal Year																			
Ends Dec 31 Mar 31 Jun 30 Sep 30																			
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2000	182.3	160.1	131.8	133.2	607.4														
2001	294.8	350.6	175.7	228.2	1049.3														
	Mar 31	Jun 30	Sep 30	Dec 31															
2002	375	215	250	315	1155														
2003	390	235	285	355	1265														
Fiscal Year EARNINGS PER SHARE A B Full Fiscal Year																			
Ends Dec 31 Mar 31 Jun 30 Sep 30																			
1999	28	42	12	09	91														
2000	30	41	26	32	129														
2001	41	83	17	09	150														
	Mar 31	Jun 30	Sep 30	Dec 31															
2002	85	20	10	50	165														
2003	85	25	15	55	180														
Cal-endar QUARTERLY DIVIDENDS PAID C Full Year																			
Mar 31 Jun 30 Sep 30 Dec 31																			
1998	27	27	27	27	108														
1999	27	27	27	27	108														
2000	27	27	27	27	108														
2001	27	27	27	27	108														
2002	27	27	27	27	108														

**BUSINESS** AGL Resources, Inc. is a holding company. Its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 1.8 million customers in Georgia, primarily Atlanta, and in southern Tennessee. Also engaged in nonregulated natural gas marketing and other, allied services. Also wholesales and retails propane. Nonregulated subsidiaries: Georgia Natural

Gas Services markets natural gas at retail. Acquired Virginia Natural Gas, 10/00. Sold Utilipro, 3/01. Has about 1,938 employees. Officers/directors own less than 1% of outstanding common shares (12/01 Proxy). President & CEO Paula Rospot. Incorporated Georgia. Address 303 Peachtree St., N.E., Atlanta, GA 30308. Telephone 404-584-9470. Internet www.aglresources.com

**AGL Resources appears to be making the most of a difficult environment for natural gas.** Temperatures this heating season were well above normal, economic conditions have been sluggish, and storage levels remain high, all of which have pressured spot prices and weakened gas demand. But, we believe that the company can still carve out year-on-year earnings growth throughout 2002, as it did in the December quarter with a share net of \$0.45 (Note December 2001 Quarterly Revenues and Earnings Per Share do not appear on the page because of the fiscal year change). In the December stub period, earnings from AGL's core distribution companies were flat against 2000 despite a much weaker operating environment. Warm weather hurt its Virginia Natural Gas utility, but this was mitigated by aggressive cost-efficiency measures implemented throughout 2001. Meanwhile, the company's Georgia and Tennessee utilities were protected by temperature-adjustment clauses. Elsewhere, AGL got a \$0.04-a-share boost from Sequent, its newly formed wholesale-services segment.

**to be a growth contributor in 2002 and 2003.** The nonregulated unit generated an operating income of \$3.4 million in the December period, compared to none in the prior year. Also, it reported that natural-gas trading volumes grew more than 25%, to more than 2.5 billion cubic feet (Bcf), from 2 Bcf in December. The Houston-based energy trading arm believes that it can continue to increase volumes as a result of the void left by the former largest energy trader, Enron. **The Georgia rate dispute should be resolved during the second quarter.** The Georgia Public Service Commission is reviewing AGL's Georgia utility for a potential \$33 million reduction, but AGL is actually seeking a \$50 million rate increase. A decision date is set for April 17th, and the implementation date is scheduled for May 1st. **These shares are currently a decent selection for income.** AGL still has a good dividend yield, and earnings continue to come largely from regulated businesses. A pickup in interest rates, however, would reduce this issue's appeal.

Michael P. Maloney March 22, 2002

(A) Fiscal year ends September 30, 2001. Ends December 31st, thereafter.  
 (B) Diluted earnings per share. Next earnings report due late Apr. Excl. nonrecurring gains.  
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'88, '89, '90, '91, '92, '93, '94, '95, '96, '97, '98, '99, '00, '01, '02, '03, '04, '05, '06, '07, '08, '09, '10, '11, '12, '13, '14, '15, '16, '17, '18, '19, '20, '21, '22, '23, '24, '25, '26, '



# AGL RESOURCES

NYSE-ATG

RECENT PRICE

23.33

P/E RATIO

13.6

(Trailing 12 Mo Median 15.0)

RELATIVE P/E RATIO

0.83

DIV'D YLD

4.6%

VALUE LINE

461

**TIMELINESS** 3 Raised 5/10/02  
**SAFETY** 2 New 7/27/90  
**TECHNICAL** 3 Raised 5/31/02  
**BETA** 70 (100 = Market)

High Low

18 8 19 5 21 3 19 4 20 0 22 0 21 6 23 4 23 4 23 2 24 5 24 3

14 9 15 1 17 0 14 6 14 9 17 1 17 7 15 6 15 5 19 0 17 3

2005-07 PROJECTIONS

Price Gain Ann'l Total

High Low 35 25 (+50%) 14% 7%

Insider Decisions

Options to Buy to Sell

Institutional Decisions

Percent shares traded

60 40 20

% TOT RETURN 8/02

THIS STOCK 132 12.9

VL ARITH INDEX 19 20.4

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Exhibit CAPD-SB

Direct Testimony

Appendix -Value Line History

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1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	VALUE LINE PUB, INC	05-07
27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	11.25	19.04	40.20	41.25	Revenues per sh <sup>A</sup>	46.25
1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.86	3.31	3.30	3.50	"Cash Flow" per sh	3.95
83	102	113	95	101	104	113	108	117	133	137	137	141	91	129	150	170	180	Earnings per sh <sup>A B</sup>	2.10
70	80	88	94	98	102	103	104	104	104	106	108	108	108	108	108	108	108	Div'ds Decl'd per sh <sup>C</sup>	1.08
3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.05	2.51	2.92	2.83	3.05	3.00	Cap'l Spending per sh	2.85
7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	11.50	12.19	12.95	13.85	Book Value per sh	17.15
36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	57.10	54.00	55.10	56.00	57.00	Common Shs Outst'g <sup>D</sup>	60.00
11.9	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4	13.6	14.6	14.6	14.6	Avg Ann'l P/E Ratio	15.0
80	77	92	104	105	98	94	106	99	84	86	85	72	122	88	77	88	77	Relative P/E Ratio	1.00
7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%	6.2%	4.9%	6.2%	4.9%	Avg Ann'l Div'd Yield	3.4%

**CAPITAL STRUCTURE as of 6/30/02**  
Total Debt 1065.5 mill Due in 5 Yrs 198.5 mill  
LT Debt \$1017.5 mill LT Interest \$70.0 mill  
(Inc \$220.5 million in trust-preferred securities)  
(Total interest coverage 2.6x)  
Leases, Uncapitalized Annual rentals \$19.4 mill  
Pension Liability \$6.4 mill in '01 vs \$7.3 mill in '00  
Pfd Stock None

**Common Stock** 56,134,127 shs  
**MARKET CAP** \$1.3 billion (Mid Cap)

CURRENT POSITION (\$MILL.)	2000	2001	6/30/02
Cash Assets	2.0	2.8	4.3
Other	97.7	214.6	377.3
Current Assets	99.7	217.4	381.6
Accts Payable	34.0	82.4	50.7
Debt Due	161.2	348.4	48.0
Other	89.6	155.8	741.8
Current Liab	284.8	586.6	840.5
Fix Chg Cov	239%	241%	245%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '99-'01
Revenues	-2.5%	-5.5%	19.0%
"Cash Flow"	3.5%	3.5%	6.0%
Earnings	2.0%	-1.0%	9.5%
Dividends	1.0%	0.5%	N/A
Book Value	2.5%	2.5%	6.5%

QUARTERLY REVENUES (\$ mill) <sup>A</sup>	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
1999	323.9	375.1	185.9	183.7	1068.6
2000	182.3	160.1	131.8	133.2	607.4
2001	294.8	350.6	175.7	228.2	1049.3
2002	492.9	570.1	575.0	602.0	2240.0
2003	545.0	590.0	600.0	615.0	2350.0

**BUSINESS** AGL Resources, Inc is a holding company. Its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 1.8 million customers in Georgia, primarily Atlanta, and in southern Tennessee. Also engaged in nonregulated natural gas marketing and other, allied services. Also wholesales and retails propane. Nonregulated subsidiaries Georgia Natural

**Cost efficiencies in AGL Resources' utilities are driving earnings results.** The company reported a profit of \$0.22 a share in the second quarter, a 29% advance from the year-earlier period. This comes despite a settlement for an annual base rate decrease of \$10 million from AGL's Georgia public utility, AGLC, that became effective on May 1st. Too, AGLC has experienced a decline in customer accounts over the past year. Nonetheless, AGL managed to achieve year-over-year earnings growth from its gas distribution businesses through lower operation, maintenance, and depreciation expenses. The company has reduced headcount by 230 since last year, trimmed bad debt expense at its Tennessee and Virginia gas utility subsidiaries, and cut depreciation expense as a direct result of AGLC's new performance-based rate plan. Moreover, AGL Resources intends to take additional cost-cutting measures before year-end.

**The nonregulated businesses are operating at a net loss.** Performance at Sequent, the company's trading and risk management unit, declined, despite increased transactions flow, because of low

Gas Services markets natural gas at retail. Acquired Virginia Natural Gas, 10/00. Sold Utilpro, 3/01. Has about 1,938 employees. Officers/directors own less than 1.0% of outstanding common shares (12/01 Proxy). President & CEO Paula Rospot. Incorporated Georgia. Address 303 Peachtree St., N.E., Atlanta, GA 30308. Telephone 404-584-9470. Internet www.aglresources.com

price volatility, as well as higher operating expenses. Meanwhile, the telecommunications unit, AGL Networks, remains unprofitable. AGL's energy marketing joint venture with Dynegy and Piedmont, SouthStar, did turn a profit, however, as a result of lower wholesale natural gas costs relative to retail prices.

**AGL is taking a "contrarian" approach to its nonutility activities.** It began to build AGL Networks when the telecommunications industry fell on hard times and companies in bankruptcy were forced to sell assets. Now, it is enhancing the Sequent unit at a time when energy traders have come under duress. That's because AGL believes that these businesses hold considerable, untapped profit potential.

**These shares remain a good selection for income investors.** The company generates over 90% of earnings from utility operations, while its nonregulated businesses hold opportunity for higher profits. Also, AGL has expressed commitment to maintaining its dividend, and the stock retains excellent price stability.

*Michael P. Maloney September 20, 2002*



# AGL RESOURCES NYSE:ATG

RECENT PRICE **24.30** P/E RATIO **13.6** (Trailing 17.7 Median 15.0) RELATIVE P/E RATIO **0.86** DIV'D YLD **4.4%** **VALUE LINE** **460**

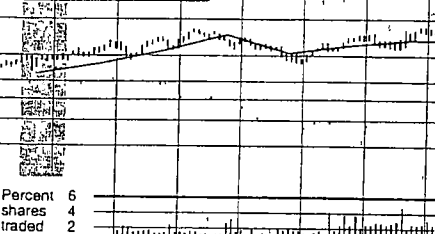
**TIMELINESS** 3 Raised 5/10/02  
**SAFETY** 2 New 7/27/90  
**TECHNICAL** 2 Raised 11/15/02  
**BETA** 75 (1.00 = Market)

**LEGENDS**  
 1 15 x Dividends p sh  
 divided by Interest Rate  
 Relative Price Strength  
 2 for-1 split 12/95  
 Options Yes  
 Shaded area indicates recession

**2005-07 PROJECTIONS**  
 Price Gain Ann'l Total  
 High 35 (+45%) 13%  
 Low 25 (+5%) 5%

**Insider Decisions**  
 J F M A M J J A S  
 to Buy 0 0 0 0 0 0 0 0 0  
 to Sell 0 0 0 0 0 0 0 0 0  
 Options 0 0 0 0 0 0 0 0 0

**Institutional Decisions**  
 1Q2002 2Q2002 3Q2002  
 to Buy 67 65 73  
 to Sell 49 55 59  
 Hld's(000) 27120 27647 28389  
 Percent 6  
 shares 2  
 traded 2



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Direct Testimony

Appendix -Value Line History

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Target Price	Range
2005	2006
2007	
80	
60	
50	
40	
32	
24	
16	
12	
8	
6	

1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	VALUE LINE PUB. INC	05-07
27.58	26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	11.25	19.04	15.50	17.10	Revenues per sh A E	20.85
1.52	1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.86	3.31	3.30	3.55	"Cash Flow" per sh	3.95
83	1.02	1.13	95	1.01	1.04	1.13	1.08	1.17	1.33	1.37	1.37	1.41	91	1.29	1.50	1.75	1.85	Earnings per sh A B	2.10
70	80	88	94	98	1.02	1.03	1.04	1.04	1.04	1.06	1.08	1.08	1.08	1.08	1.08	1.08	1.08	Div'ds Decl'd per sh C	1.08
3.30	3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.05	2.51	2.92	2.83	3.05	3.00	Cap'l Spending per sh	2.85
7.59	7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	11.50	12.19	12.85	13.95	Book Value per sh	17.50
36.55	37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	57.10	54.00	55.10	56.50	57.00	Common Shs Outst'g D	60.00
11.8	11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4	13.6	14.6	14.6	14.6	Avg Ann'l P/E Ratio	15.0
80	77	92	1.04	1.05	98	94	1.06	99	84	86	85	72	1.22	88	77	77	77	Relative P/E Ratio	1.00
7.1%	6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%	6.2%	4.9%	4.9%	4.9%	Avg Ann'l Div'd Yield	3.4%
<b>CAPITAL STRUCTURE as of 9/30/02</b>																			
Total Debt 1390.7 mill Due in 5 Yrs 368.2 mill																			
LT Debt \$1022.5 mill LT Interest \$70.0 mill																			
(inc \$225.5 million in trust-preferred securities)																			
(Total interest coverage 2.6x)																			
Leases, Uncapitalized Annual rentals \$19.4 mill																			
Pension Liability \$6.4 mill in '01 vs \$7.3 mill in '00																			
Pfd Stock None																			
Common Stock 56,313,165 shs																			
MARKET CAP \$1.4 billion (Mid Cap)																			
<b>CURRENT POSITION (\$MILL)</b>																			
Cash Assets 2.0 2.8 6.1																			
Other 97.7 214.6 344.8																			
Current Assets 99.7 217.4 350.9																			
Accts Payable 34.0 82.4 36.5																			
Debt Due 161.2 348.4 368.2																			
Other 89.6 155.8 342.7																			
Current Liab 284.8 586.6 747.4																			
Fix Chg Cov 239% 241% 245%																			
<b>ANNUAL RATES</b>																			
of change (per sh)																			
Revenues -2.5% -5.5% 4.0%																			
"Cash Flow" 3.5% 3.5% 6.0%																			
Earnings 2.0% -1.0% 9.5%																			
Dividends 1.0% 0.5% Nil																			
Book Value 2.5% 2.5% 7.0%																			
<b>QUARTERLY REVENUES (\$ mill) A</b>																			
Fiscal Year Ends Dec 31 Mar 31 Jun 30 Sep 30 Full Fiscal Year																			
1999 323.9 375.1 185.9 183.7 1068.6																			
2000 182.3 160.1 131.8 133.2 607.4																			
2001 294.8 350.6 175.7 228.2 1049.3																			
2002 173.4 255.1 190.7 255.8 875																			
2003 195 280 215 285 975																			
<b>EARNINGS PER SHARE A B</b>																			
Fiscal Year Ends Dec 31 Mar 31 Jun 30 Sep 30 Full Fiscal Year																			
1999 28 42 12 09 91																			
2000 30 41 26 32 129																			
2001 41 83 17 09 150																			
2002 89 22 17 47 175																			
2003 90 25 20 50 185																			
<b>QUARTERLY DIVIDENDS PAID C</b>																			
Cal-endar Mar 31 Jun 30 Sep 30 Dec 31 Full Year																			
1998 27 27 27 27 108																			
1999 27 27 27 27 108																			
2000 27 27 27 27 108																			
2001 27 27 27 27 108																			
2002 27 27 27 27 108																			

**BUSINESS** AGL Resources, Inc. is a holding company. Its principal subsidiary is Atlanta Gas Light Co., a regulated distributor of natural gas to more than 1.8 million customers in Georgia, primarily Atlanta, and in



# AGL RESOURCES

NYSE-ATG

RECENT PRICE

26.16

P/E RATIO

13.8

Trailing Median

13.7

RELATIVE P/E RATIO

0.82

DIV'D YLD

4.3%

VALUE LINE

459

**TIMELINESS** 3 Raised 5/10/02  
**SAFETY** 2 New 7/27/90  
**TECHNICAL** 3 Lowered 4/4/03  
**BETA** 75 (1.00 = Market)

2006-08 PROJECTIONS

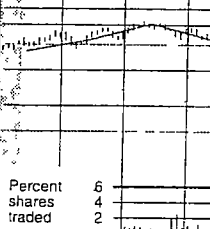
Price Gain Ann'l Total  
High 35 (+35%) 17%  
Low 25 (-5%) 3%

**Insider Decisions**  
to Buy 0 1 0 0 0 0 0 0 0  
Options 0 0 0 0 0 0 0 0 0  
to Sell 0 0 0 0 0 0 0 0 0

**Institutional Decisions**

302002 402002 102003  
to Buy 73 98 103  
to Sell 59 45 50  
Hrs's(000) 29389 28832 34881

**LEGENDS**  
1 15 x Dividends p sh  
divided by Interest Rate  
Relative Price Strength  
2 for 1 split 12/95  
Options Yes  
Shaded area indicates recession



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Exhibit CAPD-SB

Direct Testimony

Appendix -Value Line History

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Target Price Range  
2006 2007 2008

64	46	40	32	24	20	16	12	8	6
----	----	----	----	----	----	----	----	---	---

% TOT RETURN 5/03	THIS STOCK	VL ARMTL INDEX
1 yr	19.6	4.1
3 yr	71.7	12.0
5 yr	60.3	23.8

1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	VALUE LINE PUB., INC	06-08
26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	11.25	19.04	15.32	17.70	18.50	Revenues per sh A	20.40
1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.86	3.31	3.39	3.35	3.60	"Cash Flow" per sh A	3.95
1.02	1.13	95	1.01	1.04	1.13	1.08	1.17	1.33	1.37	1.37	1.41	91	1.29	1.50	1.82	1.90	2.00	Earnings per sh A B	2.15
80	88	94	98	1.02	1.03	1.04	1.04	1.04	1.06	1.08	1.08	1.08	1.08	1.08	1.08	1.11	1.12	Div'ds Decl'd per sh C	1.12
3.59	2.86	2.65	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.05	2.51	2.92	2.83	3.30	2.70	2.70	Cap'l Spending per sh	2.60
7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.56	10.99	11.42	11.59	11.50	12.19	12.52	14.55	15.80	Book Value per sh	19.55
37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.60	57.30	57.10	54.00	55.10	56.70	63.50	63.50	Common Shs Outst'g D	65.00
11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4	13.5	14.6	12.5	12.5	12.5	Avg Ann'l P/E Ratio	15.0
77	92	104	105	98	94	106	99	84	86	85	72	122	88	75	63	63	63	Relative P/E Ratio	1.00
6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%	6.2%	4.9%	4.7%	4.7%	4.7%	Avg Ann'l Div'd Yield	3.7%

**CAPITAL STRUCTURE** as of 3/31/03  
Total Debt 1159.7 mill Due in 5 Yrs 504.1 mill  
LT Debt \$992.9 mill LT Interest \$65.0 mill  
(Inc \$227.3 million in trust-preferred securities)  
(Total interest coverage 2.9x)  
Leases, Uncapitalized Annual rentals \$29.1 mill  
Pension Assets-12/02 \$207.8 mill Oblig \$290 mill  
Pfd Stock None

Common Stock 63,342,854 shs  
MARKET CAP \$1.7 billion (Mid Cap)

**CURRENT POSITION (\$MILL)**

	2001	2002	3/31/03
Cash Assets	2.8	8.4	23.0
Other	214.6	578.0	697.5
Current Assets	217.4	586.4	720.5
Acc'ts Payable	82.4	91.1	575.9
Debt Due	348.4	418.6	166.8
Other	155.8	506.1	257.1
Current Liab	586.6	1015.8	999.8
Fix Chg Cov	241%	242%	245%

**ANNUAL RATES** Past 10 Yrs Past 5 Yrs Est'd '00-'02

	10 Yrs	5 Yrs	to '06 '08
Revenues	-3.0%	-6.5%	3.0%
"Cash Flow"	4.0%	5.5%	4.5%
Earnings	4.0%	2.5%	8.0%
Dividends	0.5%	0.5%	Nil
Book Value	2.5%	2.5%	6.0%

**QUARTERLY REVENUES (\$mill) A**

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
2000	182.3	160.1	131.8	133.2	607.4
2001	294.8	350.6	175.7	228.2	1049.3
2002	269.3	159.2	190.7	249.7	868.9
2003	351.4	290	215	268.6	1125
2004	330	320	230	295	1175

**EARNINGS PER SHARE A B**

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
2000	30	41	26	32	1.29
2001	41	83	17	09	1.50
2002	89	21	17	55	1.82
2003	98	25	20	47	1.90
2004	95	30	20	55	2.00

**QUARTERLY DIVIDENDS PAID C**

Cal-endar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1999	27	27	27	27	1.08
2000	27	27	27	27	1.08
2001	27	27	27	27	1.08
2002	27	27	27	27	1.08
2003	27	28			

**BUSINESS** AGL Resources, Inc. is a public utility holding company. Its distribution subsidiaries are Atlanta Gas Light, Chattanooga Gas, and Virginia Natural Gas. The utilities have around 2 million customers in Georgia, primarily Atlanta, Virginia, and in southern Tennessee. Also engaged in nonregulated natural gas marketing and other, allied services. Also wholesales and retails propane.

**Strong first-quarter operating results have put AGL Resources well on track for moderate earnings growth in 2003.** Share net was \$0.98 during the March interval, or 10% ahead of the respectable \$0.89 a share the company earned a year earlier. In general, AGL's gas distribution operations benefited from colder temperatures this past winter, which increased demand for natural gas for heating purposes. AGL's Virginia subsidiary, Virginia Natural Gas, was the primary driver for the earnings advance in the utility segment. The subsidiary enjoyed higher margins largely due to a weather normalization adjustment clause that went into effect last December. Meanwhile, AGL's Wholesale Services unit provided a boost to profits, lifted by an increase in gas price volatility onset by colder temperatures and reduced storage levels.

**We have tweaked upward our annual share-net estimates for AGL Resources,** based on performance in the March period. We now look for the company to earn \$1.90 a share and \$2.00 a share for full-year 2003 and 2004, respectively. AGL continues to make improvements in

its distribution businesses, and is making some headway with its nonutility activities. The company is making use of an increase in cash flow. Cash inflow rose significantly in the first quarter, following strong net profits and an equity issuance of 6.44 million common shares in February. Consequently, AGL utilized a portion of the cash to pay down debt and increase the dividend. In the March period, total debt fell \$253.1 million, which helps to improve the balance sheet and trim interest expense. Meanwhile, the company announced in April a \$0.01-a-share rise in the quarterly dividend to \$0.28.

**This issue is a good-quality income stock.** It offers an adequate dividend yield and has provided a high level of share-price stability over the past decade. The company continues to derive more than 90% of profits from its utilities, which are less volatile than nonutility earnings. Investors should note that the share price is up about 19% since our March report. We believe that further share-price gains are quite limited.

Michael P. Maloney June 20, 2003

# AGL RESOURCES NYSE-ATG

RECENT PRICE **28.08**

P/E RATIO **14.3** (Trailing 14.1 Median 14.0)

RELATIVE P/E RATIO **0.81**

DIV'D YLD **4.0%**

VALUE LINE **459**

TIMELINESS **3** Raised 5/10/02

SAFETY **2** New 7/27/90

TECHNICAL **3** Lowered 4/4/03

BETA **75** (100 = Market)

2006 08 PROJECTIONS

High Price 40  
Low Price 30  
Gain (+40%)  
Ann'l Total Return 12%  
6%

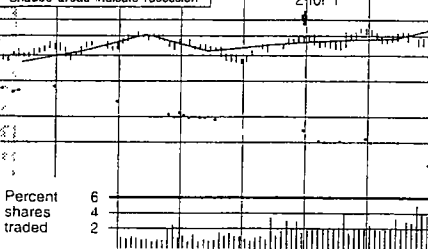
Insider Decisions

to Buy 0  
Options 0  
to Sell 0

Institutional Decisions

to Buy 98  
to Sell 45  
Hld % (2000) 28832

LEGENDS  
1.15 x Dividends p sh  
divided by Interest Rate  
Relative Price Strength  
2 for 1 split 12/95  
Options Yes  
Shaded areas indicate recession



Docket No 04-00034

Exhibit CAPD-SB

Direct Testimony

Appendix -Value Line History  
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Target Price Range  
2006 2007 2008

64	48	40
32	24	20
16	12	8
6		

1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	VALUE LINE PUB, INC	06 08
26.24	22.97	21.63	22.58	20.26	20.43	22.73	23.59	19.32	21.91	22.75	23.36	18.71	11.25	19.04	15.32	15.35	16.15	Revenues per sh <sup>A</sup>	18.45
1.84	1.90	1.93	2.04	2.07	2.31	2.25	2.24	2.33	2.49	2.42	2.65	2.29	2.86	3.31	3.39	3.45	3.70	Cash Flow per sh	4.05
1.02	1.13	95	1.01	1.04	1.13	1.08	1.17	1.33	1.37	1.37	1.41	91	1.29	1.50	1.82	2.00	2.10	Earnings per sh <sup>A</sup>	2.25
80	68	94	98	1.02	1.03	1.04	1.04	1.04	1.06	1.08	1.08	1.08	1.08	1.08	1.08	1.11	1.12	Div'ds Decl'd per sh <sup>C</sup>	1.12
3.59	2.86	2.55	2.73	2.95	2.74	2.49	2.37	2.17	2.37	2.59	2.05	2.51	2.92	2.83	3.30	2.70	2.70	Cap'l Spending per sh	2.60
7.89	8.72	8.83	8.97	9.42	9.70	9.90	10.19	10.12	10.58	10.99	11.42	11.59	11.50	12.19	12.52	14.55	15.90	Book Value per sh	19.50
37.48	42.47	43.40	44.32	47.57	48.69	49.72	50.86	55.02	55.70	56.80	57.30	57.10	54.00	55.10	56.70	63.50	63.50	Common Shs Outst g <sup>D</sup>	65.00
11.5	11.1	13.7	14.2	15.3	15.5	17.9	15.1	12.6	13.8	14.7	13.9	21.4	13.6	14.6	12.5	12.5	12.5	Avg Ann'l P/E Ratio	15.0
77	92	1.04	1.05	98	94	1.06	99	84	86	85	72	1.22	88	75	68	68	68	Relative P/E Ratio	1.00
6.8%	7.1%	7.2%	6.8%	6.4%	5.9%	5.4%	5.9%	6.2%	5.6%	5.4%	5.5%	5.5%	6.2%	4.9%	4.7%	4.7%	4.7%	Avg Ann'l Div'd Yield	3.3%

CAPITAL STRUCTURE as of 6/30/03

Total Debt 1167.9 mill Due in 5 Yrs 504.1 mill  
LT Debt \$925.1 mill LT Interest \$60.0 mill  
(Inc \$228.3 million in trust preferred securities)  
(Total interest coverage 2.9x)  
Leases, Uncapitalized Annual rentals \$29.1 mill  
Pension Assets 12/02 \$207.8 mill Oblig \$290 mill  
Ptd Stock None

Common Stock 63,731,156 shs  
MARKET CAP \$1.8 billion (Mid Cap)

CURRENT POSITION 2001 2002 6/30/03

(\$MILL)	2001	2002	6/30/03
Cash Assets	2.8	8.4	3.3
Other	214.6	578.0	513.4
Current Assets	217.4	586.4	516.7
Accts Payable	82.4	91.1	387.1
Debt Due	348.4	418.6	242.8
Other	155.8	506.1	262.6
Current Liab	586.6	1015.8	892.5
Fix Chg Cov	241%	242%	245%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est'd '00-'02
of change (per sh)			
Revenues	3.0%	6.5%	3.0%
Cash Flow	4.0%	5.5%	4.5%
Earnings	4.0%	2.5%	8.0%
Dividends	0.5%	0.5%	Nil
Book Value	2.5%	2.5%	6.0%

Fiscal Year Ends

QUARTERLY REVENUES (\$ mill) <sup>A</sup>	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
2000	182.3	160.1	131.8	133.2	607.4
2001	294.8	350.6	175.7	228.2	1049.3
2002	269.3	159.2	190.7	249.7	868.9
2003	351.4	186.6	165	272	975
2004	330	220	180	295	1025

Fiscal Year Ends

EARNINGS PER SHARE <sup>A</sup>	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
2000	30	41	26	32	1.29
2001	41	83	17	09	1.50
2002	89	21	17	55	1.82
2003	98	29	25	48	2.00
2004	95	35	25	55	2.10

Cal-endar

QUARTERLY DIVIDENDS PAID <sup>C</sup>	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1999	27	27	27	27	1.08
2000	27	27	27	27	1.08
2001	27	27	27	27	1.08
2002	27	27	27	27	1.08
2003	27	28	28		

**BUSINESS** AGL Resources, Inc. is a public utility holding company. Its distribution subsidiaries are Atlanta Gas Light, Chattanooga Gas and Virginia Natural Gas. The utilities have around 2 million customers in Georgia, primarily Atlanta, Virginia and in southern Tennessee. Also engaged in nonregulated natural gas marketing and other allied services. Also wholesales and retails propane.

**AGL Resources' share price is reaching new highs, on a split-adjusted basis.** Too, the recent price of \$28 marked a 7% advance from our previous report in June. The share-price advance has been driven by sound company fundamentals. On top of dividend tax cuts and the low interest-rate environment, which make income stocks more attractive, AGL raised the quarterly dividend by a penny in the second quarter. Meanwhile, earnings have been strong, as share net of \$0.29 last quarter was ahead of our expectations and 38% ahead of the year-ago figure.

**We are raising both our share-net estimates for this year and next by a dime.** We now look for EPS to be \$2.00 and \$2.10 in 2003 and 2004, respectively. The changes come on the heels of better-than-anticipated performance in the June quarter, particularly from nonregulated activities. AGL managed to generate EBIT of \$6.6 million from the Energy Investments unit, and EBIT of \$0.3 million from the Wholesale Services division, compared to multimillion dollar losses in both units a year ago. These positive trends should continue as a result of higher margins and

greater physical volume. Improvements from utility operations are likely to be less profound in the near term, however, as customer growth is offset somewhat by increased bad debt expense.

**AGL Resources has refinanced some of its existing debt, in order to take advantage of low interest rates.** It recently issued \$225 million of senior notes at 4.45%, compared to the average rate on the company's debt of 7.2%. Net proceeds of the offering were used to pay down approximately \$110 million in short-term obligations and \$65 million in higher-coupon long-term debt. The remainder will be used for general corporate purposes. Also, the company completed a \$100 million fixed-to-floating interest-rate swap, which brings AGL near to its targeted debt mix of 70% fixed- and 30% floating-rate debt. **This issue is a good-quality income stock.** It offers an adequate dividend yield and has provided share-price stability over the past decade. Investors should note that the run-up in price this year, however, makes the stock vulnerable in the event of any operational disappointments.

Michael P. Maloney September 19, 2003

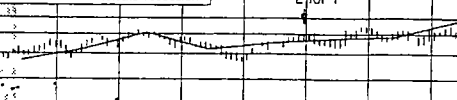
(A) Fiscal year ends December 31st. Ended September 30th prior to 2002. (B) Diluted earnings per share. Next earnings report due late Oct. Excl. nonrecurring gains (losses). 88  
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Company's Financial Strength	B++
Stock's Price Stability	100
Price Growth Persistence	30
Earnings Predictability	65

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**TIMELINESS** 4 Lowered 12/19/03  
**SAFETY** 2 New 7/27/90  
**TECHNICAL** 3 Lowered 4/4/03  
**BETA** 75 (100 = Market)

**LEGENDS**  
 1 15 x Dividends p sh  
 divided by Interest Rate  
 Relative Price Strength  
 2 for 1 split 12/95  
 Options Split  
 Shaded areas indicate recession

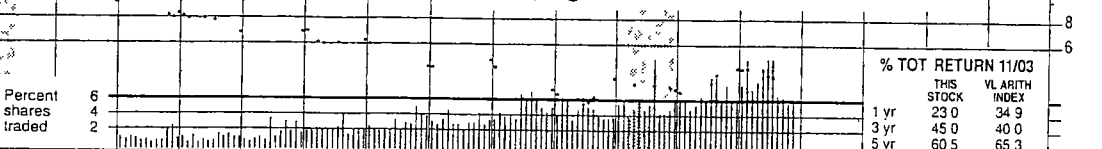


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 Direct Testimony  
 Appendix -Value Line History  
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**2006 08 PROJECTIONS**  
 Price 40  
 Gain (+40%)  
 Ann'l Total Return 11%  
 High 40  
 Low 30

**Insider Decisions**  
 J F M A M J J A S  
 to Buy 0 0 0 0 0 0 0 0 0  
 to Sell 0 0 0 0 0 0 0 0 0  
 Options 0 0 0 0 0 0 0 0 0  
 to Sell 0 1 0 0 0 0 0 0 0

**Institutional Decisions**  
 10/2003 20/2003 30/2003  
 to Buy 103 95 72  
 to Sell 50 77 97  
 Hld s(000) 34881 35689 34745



1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	VALUE LINE PUB, INC	06-08
26 24	22 97	21 63	22 58	20 26	20 43	22 73	23 59	19 32	21 91	22 75	23 36	18 71	11 25	19 04	15 32	15 10	15 90	Revenues per sh A	18 45
1 84	1 90	1 93	2 04	2 07	2 31	2 25	2 24	2 33	2 49	2 42	2 65	2 29	2 86	3 31	3 39	3 45	3 65	"Cash Flow" per sh A B	4 05
1 02	1 13	95	1 01	1 04	1 13	1 08	1 17	1 33	1 37	1 37	1 41	1 29	1 50	1 82	2 00	2 10	2 10	Earnings per sh A B	2 25
80	88	94	98	1 02	1 03	1 04	1 04	1 04	1 06	1 08	1 08	1 08	1 08	1 08	1 08	1 11	1 12	Div'ds Decl'd per sh C	1 12
3 59	2 86	2 65	2 73	2 95	2 74	2 49	2 37	2 17	2 37	2 59	2 05	2 51	2 92	2 83	3 30	2 65	2 65	Cap'l Spending per sh	2 60
7 89	8 72	8 83	8 97	9 42	9 70	9 90	10 19	10 12	10 56	10 99	11 42	11 59	11 50	12 19	12 52	14 35	15 65	Book Value per sh	19 50
37 48	42 47	43 40	44 32	47 57	48 69	49 72	50 86	55 02	55 70	56 60	57 30	57 10	54 00	55 10	56 70	64 50	64 50	Common Shs Outst g D	65 00
11 5	11 1	13 7	14 2	15 3	15 5	17 9	15 1	12 6	13 8	14 7	13 9	21 4	13 6	14 6	12 5	10 5	10 5	Avg Ann'l P/E Ratio	15 0
77	92	1 04	1 05	94	94	1 06	99	84	86	85	72	1 22	88	75	68	68	68	Relative P/E Ratio	1 30
6 8%	7 1%	7 2%	6 8%	6 4%	5 9%	5 4%	5 9%	6 2%	5 6%	5 4%	5 5%	5 5%	6 2%	4 9%	4 7%	4 7%	4 7%	Avg Ann'l Div d Yield	3 3%

**CAPITAL STRUCTURE** as of 9/30/03  
 Total Debt 1257 4 mill Due in 5 Yrs 504 1 mill  
 LT Debt \$1130 2 mill LT Interest \$65 0 mill  
 (Inc \$228 3 million in trust preferred securities)  
 (Total interest coverage 2 9x)  
 Leases, Uncapitalized Annual rentals \$29 1 mill  
 Pension Assets 12/02 \$207 8 mill Oblig \$290 mill  
 Pfd Stock None

Common Stock 64 266 376 shs  
 MARKET CAP \$1 9 billion (Mid Cap)

CURRENT POSITION	2001	2002	9/30/03
Cash Assets	2 8	8 4	1 0
Other	214 6	578 0	550 2
Current Assets	217 4	586 4	551 2
Accts Payable	82 4	91 1	298 5
Debt Due	348 4	418 6	127 2
Other	155 8	506 1	290 3
Current Liab	586 6	1015 8	716 0
Fix Chg Cov	241%	242%	245%

ANNUAL RATES	Past 10 Yrs	Past 5 Yrs	Est d 06 08
Revenues	3 0%	6 5%	3 5%
Cash Flow	4 0%	5 5%	4 0%
Earnings	4 0%	2 5%	6 5%
Dividends	5%	5%	5%
Book Value	2 5%	2 5%	8 5%

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
2000	182 3	160 1	131 8	133 2	607 4
2001	294 8	350 6	175 7	228 2	1049 3
2002	269 3	159 2	190 7	249 7	868 9
2003	351 4	186 6	166 3	270 7	975
2004	330	220	180	295	1025

Fiscal Year Ends	Dec 31	Mar 31	Jun 30	Sep 30	Full Fiscal Year
2000	30	41	26	32	129
2001	41	83	17	09	150
2002	89	21	17	55	182
2003	98	29	27	46	200
2004	95	35	25	55	210

Cal endar	Mar 31	Jun 30	Sep 30	Dec 31	Full Year
1999	27	27	27	27	108
2000	27	27	27	27	108
2001	27	27	27	27	108
2002	27	27	27	27	108
2003	27	28	28	28	108

**BUSINESS** AGL Resources Inc is a public utility holding company. Its distribution subsidiaries are Atlanta Gas Light, Chattanooga Gas, and Virginia Natural Gas. The utilities have around 2 million customers in Georgia, primarily Atlanta, Virginia, and in southern Tennessee. Also engaged in nonregulated natural gas marketing and other allied services. Also wholesales and retails propane.

**The share price of AGL Resources continues to edge higher.** The stock has advanced a little over 2% since our last report in September, and is trading near record highs on a split-adjusted basis. The gains have been backed by solid earnings and a favorable operating environment. Share net of \$1.54 for the first nine months of 2003 marked an increase of over 20% from the prior year. Meantime, low interest rates and the government's move to lower dividend taxes have added to the appeal of dividend-paying stocks, thus providing added lift to AGL shares.

**The near-term earnings picture looks good for AGL Resources.** We are leaving our full-year EPS estimates unchanged at \$2.00 and \$2.10 for 2003 and 2004, respectively. The company should reach our 2003 target with ease, given its earnings strength through the first nine months. Ironically, earnings before interest and taxes (EBIT) from AGL's core gas distribution operations are down slightly this year as a result of greater overhead expenses, including higher leasing costs, and increased insurance and benefit costs. Lower earnings from its gas utilities have

Nonregulated subsidiaries Georgia Natural Gas Services markets natural gas at retail. Acquired Virginia Natural Gas 10/00. Sold Utilpro 3/01. Officers/directors own 1.5% of outstanding common shares (3/03 Proxy). President & CEO Paula Rospot. Incorporated Georgia. Address 303 Peachtree St. N.E. Atlanta GA 30308. Telephone 404 584 9470. Internet www.aglresources.com

been more than offset this year, though, by greater EBIT from nonregulated businesses. EBIT from Wholesale Services rose 356% to \$21.9 million, while EBIT from the Energy Investments unit rose 47% to \$26.6 million. In 2004, we expect earnings to continue to improve from non-regulated businesses as AGL further develops these relatively new segments for the company. Also, we anticipate incremental growth from AGL's utility operations, following a full year of absorbing higher overhead costs. The segment should benefit from an expanding customer base and higher gas usage per customer. **AGL Resources is exiting the retail propane business.** It agreed to sell its interest in Heritage Propane Partners for \$29 million in a transaction expected to close at yearend. The move is consistent with the company's goal to shed non-strategic operations and to build its financial position.

**This is a good-quality income stock.** It offers a decent yield with excellent share-price stability. Investors should note that further share-price gains appear limited. *Michael P. Maloney December 19, 2003*

(A) Fiscal year ends December 31st. Ended September 30th prior to 2002. (B) Diluted earnings per share. Next earnings report due late Jan. Excl. nonrecurring gains (losses). 88

\$0 15 95 d\$0 83 99 \$0 39 00, \$0 13, 01 \$0 13 (C) Dividends historically paid early March June Sept and Dec. Div'd reinvest plan available (D) in millions adjusted for stock split

Company's Financial Strength B++  
 Stock's Price Stability 100  
 Price Growth Persistence 30  
 Earnings Predictability 60

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